

REPORT NUMBER: ITL87576-GONIOPHOTOMETRY

PAGE: 1 OF 9

ISSUE DATE: 06/15/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FSLEDH3N/120 - FSLEDH3N/120/TL

LUMINAIRE: CAST BROWN PAINTED METAL HOUSING/FACEPLATE, CAST BROWN PAINTED METAL CIRCUIT BOARD MOUNTING BASE WITH UNFINISHED CIRCUIT BOARD MOUNTING SURFACE, 1 WHITE CIRCUIT BOARD WITH 3 LEDS, CLEAR FLAT GLASS LENS.

LAMPS: THREE WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

INPUT ELECTRICAL: 120.0 VOLTS, 3.04 WATTS, 0.0267 AMPS

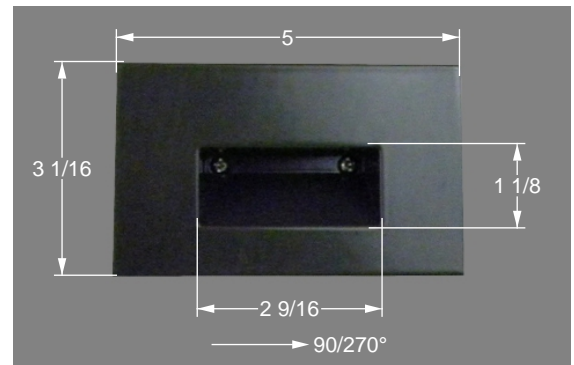
MOUNTING: RECESSED WALL

LED DRIVER: INTEGRAL TO CIRCUIT BOARD

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LUMINAIRE.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



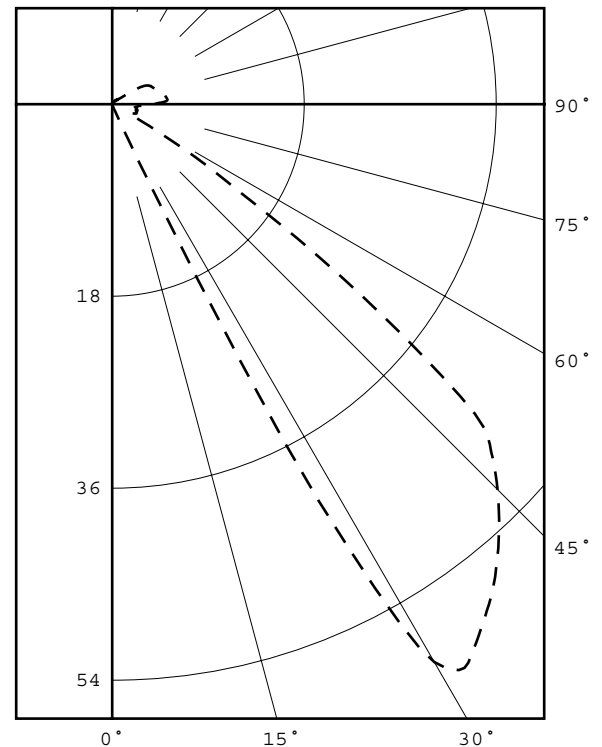
CANDELA DISTRIBUTION

FLUX

	0.0	45.0	90.0	135.0	180.0	
0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0
15	0.1	0.0	0.0	0.0	0.0	0.0
25	6.0	0.2	0.0	0.0	0.0	1.3
35	60.2	23.7	0.0	0.0	0.0	8.7
45	51.1	51.0	0.0	0.0	0.0	12.5
55	16.6	39.3	0.0	0.0	0.0	9.2
65	1.9	9.4	0.0	0.0	0.0	2.7
75	2.3	0.7	0.0	0.0	0.0	0.7
85	2.4	0.8	0.0	0.0	0.0	0.7
90	3.8	1.1	0.0	0.0	0.0	
95	5.2	1.2	0.0	0.0	0.0	1.2
105	4.6	1.1	0.0	0.0	0.0	1.1
115	4.0	0.8	0.0	0.0	0.0	0.8
125	1.4	0.4	0.0	0.0	0.0	0.3
135	0.5	0.3	0.0	0.0	0.0	0.1
145	0.3	0.2	0.0	0.0	0.0	0.1
155	0.2	0.1	0.0	0.0	0.0	0.0
165	0.1	0.1	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1.3	3.2
0- 40	10.0	25.4
0- 60	31.7	80.5
0- 90	35.7	90.8
90-120	3.1	8.0
90-130	3.4	8.7
90-150	3.6	9.1
90-180	3.6	9.2
0-180	39.4	100.0



LEGEND:

0-deg	-----
90-deg	=====
180-deg	-----

EFFICACY = 13.0 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

BEAM ANGLE (50%) : 25.5 X N/A DEGREES

FIELD ANGLE (10%) : 33.7 X N/A DEGREES

Checked B. HYRE

Approved R. BEATTIE  
Lighting Engineer



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INDEPENDENT TESTING LABORATORIES, INC.  
 4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

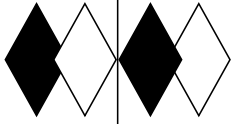
PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: [itl@itlboulder.com](mailto:itl@itlboulder.com) • WEBSITE: [www.itlboulder.com](http://www.itlboulder.com)

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LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	39603.	56464.	0.
55	10721.	35832.	0.
65	1133.	8094.	0.
75	1273.	543.	0.
85	1283.	620.	0.



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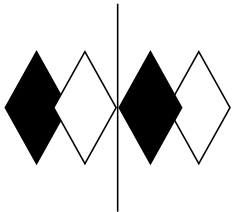
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CANDELA DISTRIBUTION  
 LATERAL ANGLE

	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	90.0	112.5	135.0	157.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5	0.7	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	6.0	5.1	2.2	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	41.9	40.7	32.1	7.7	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	60.4	60.0	53.7	41.3	8.4	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	62.1	62.0	62.0	59.0	39.8	2.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
35.0	60.2	60.4	60.3	60.5	56.5	23.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
37.5	58.3	58.5	58.4	58.6	58.3	43.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
40.0	56.1	56.3	56.2	56.5	56.2	54.5	9.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5	53.7	53.9	53.9	54.2	54.0	53.5	27.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
45.0	51.1	51.3	51.3	51.6	51.5	51.0	39.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5	48.2	48.5	48.5	48.9	48.8	48.4	40.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
50.0	42.6	43.1	44.3	45.9	45.9	45.6	38.2	7.6	0.1	0.0	0.0	0.0	0.0	0.0
52.5	29.5	30.5	35.3	40.9	42.7	42.5	35.6	9.2	0.1	0.0	0.0	0.0	0.0	0.0
55.0	16.6	17.0	20.0	29.9	38.2	39.3	32.9	8.8	0.1	0.0	0.0	0.0	0.0	0.0
57.5	9.3	9.6	12.2	16.3	29.0	35.8	30.1	8.3	0.1	0.0	0.0	0.0	0.0	0.0
60.0	3.1	3.2	4.5	9.4	15.5	30.3	27.1	7.5	0.1	0.0	0.0	0.0	0.0	0.0
62.5	1.8	1.8	2.0	3.1	8.8	19.0	24.1	6.6	0.2	0.0	0.0	0.0	0.0	0.0
65.0	1.9	1.9	1.8	1.7	2.6	9.4	19.9	5.7	0.3	0.0	0.0	0.0	0.0	0.0
67.5	2.3	2.3	2.2	1.9	1.4	3.1	11.9	4.7	0.5	0.0	0.0	0.0	0.0	0.0
70.0	2.4	2.4	2.4	2.3	1.4	0.8	5.6	3.8	0.4	0.0	0.0	0.0	0.0	0.0
72.5	2.4	2.4	2.4	2.3	1.6	0.7	1.1	2.1	0.3	0.0	0.0	0.0	0.0	0.0
75.0	2.3	2.3	2.3	2.2	1.5	0.7	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0
77.5	2.4	2.4	2.3	2.2	1.5	0.7	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
80.0	2.3	2.3	2.2	2.1	1.5	0.7	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
82.5	2.2	2.2	2.2	2.0	1.5	0.8	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
85.0	2.4	2.4	2.4	2.2	1.7	0.8	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
87.5	2.8	2.8	2.8	2.7	2.2	0.9	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
90.0	3.8	3.8	3.8	3.8	2.9	1.1	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
92.5	4.8	4.8	4.9	4.7	3.7	1.2	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
95.0	5.2	5.2	5.1	5.0	3.8	1.2	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
97.5	5.1	5.1	5.0	5.0	3.7	1.2	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0
100.0	5.0	4.9	4.9	4.8	3.5	1.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
102.5	4.8	4.8	4.8	4.6	3.3	1.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
105.0	4.6	4.6	4.5	4.3	3.1	1.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0
107.5	4.4	4.4	4.3	4.2	3.0	1.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
110.0	4.3	4.3	4.2	4.0	2.9	1.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
112.5	4.1	4.1	4.1	3.9	2.8	0.9	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
115.0	4.0	4.0	3.9	3.7	2.4	0.8	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
117.5	3.8	3.8	3.7	3.3	1.7	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
120.0	3.4	3.4	3.1	2.4	1.0	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
122.5	2.5	2.4	2.1	1.3	0.7	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
125.0	1.4	1.3	1.1	0.8	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
127.5	0.9	0.9	0.8	0.6	0.5	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
130.0	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
132.5	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
135.0	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
137.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
140.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
142.5	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
145.0	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
147.5	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
150.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0



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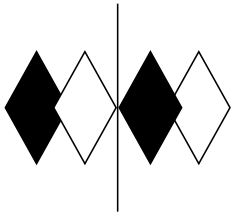
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CANDELA DISTRIBUTION  
 LATERAL ANGLE

	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	90.0	112.5	135.0	157.5
160.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION  
 LATERAL ANGLE

	180.0
0.0	0.0
2.5	0.0
5.0	0.0
7.5	0.0
10.0	0.0
12.5	0.0
15.0	0.0
17.5	0.0
20.0	0.0
22.5	0.0
25.0	0.0
27.5	0.0
30.0	0.0
32.5	0.0
35.0	0.0
37.5	0.0
40.0	0.0
42.5	0.0
45.0	0.0
47.5	0.0
50.0	0.0
52.5	0.0
55.0	0.0
57.5	0.0
60.0	0.0
62.5	0.0
65.0	0.0
67.5	0.0
70.0	0.0
72.5	0.0
75.0	0.0
77.5	0.0
80.0	0.0
82.5	0.0
85.0	0.0
87.5	0.0
90.0	0.0
92.5	0.0
95.0	0.0
97.5	0.0
100.0	0.0
102.5	0.0
105.0	0.0
107.5	0.0
110.0	0.0
112.5	0.0
115.0	0.0
117.5	0.0
120.0	0.0
122.5	0.0
125.0	0.0
127.5	0.0
130.0	0.0
132.5	0.0
135.0	0.0
137.5	0.0
140.0	0.0
142.5	0.0
145.0	0.0
147.5	0.0
150.0	0.0
152.5	0.0
155.0	0.0
157.5	0.0



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CANDELA DISTRIBUTION  
LATERAL ANGLE

	180.0
160.0	0.0
162.5	0.0
165.0	0.0
167.5	0.0
170.0	0.0
172.5	0.0
175.0	0.0
177.5	0.0
180.0	0.0



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5-DEGREE  
 ZONAL LUMEN SUMMARY

0- 5	0.0
5- 10	0.0
10- 15	0.0
15- 20	0.0
20- 25	0.0
25- 30	1.2
30- 35	3.6
35- 40	5.1
40- 45	6.1
45- 50	6.4
50- 55	5.6
55- 60	3.6
60- 65	1.8
65- 70	0.8
70- 75	0.4
75- 80	0.3
80- 85	0.3
85- 90	0.4
90- 95	0.6
95-100	0.6
100-105	0.6
105-110	0.5
110-115	0.5
115-120	0.4
120-125	0.2
125-130	0.1
130-135	0.1
135-140	0.0
140-145	0.0
145-150	0.0
150-155	0.0
155-160	0.0
160-165	0.0
165-170	0.0
170-175	0.0
175-180	0.0

10-DEGREE  
 ZONAL LUMEN SUMMARY

0- 10	0.0
0- 20	0.0
0- 30	1.3
0- 40	10.0
0- 50	22.4
0- 60	31.7
0- 70	34.3
0- 80	35.0
0- 90	35.7
0-100	37.0
0-110	38.1
0-120	38.9
0-130	39.2
0-140	39.3
0-150	39.3
0-160	39.3
0-170	39.4
0-180	39.4



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REPORT NUMBER: ITL87576-GONIOPHOTOMETRY

PAGE: 8 OF 9

ISSUE DATE: 06/15/16

PREPARED FOR: RAB LIGHTING INC.

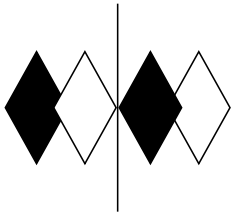
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	107	102	98	94	103	99	95	92	93	90	87	88	85	83	83	81	79	76	76
2	97	88	81	76	93	86	79	74	81	75	71	76	72	68	72	68	65	63	63
3	87	76	68	61	84	74	66	60	70	63	58	66	60	56	62	57	54	51	51
4	79	66	57	50	75	64	56	49	60	53	47	57	51	46	54	48	44	41	41
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	47	41	36	34	34
6	64	50	40	34	62	49	40	33	46	38	32	43	36	31	41	35	30	28	28
7	58	44	34	28	56	43	34	27	40	32	27	38	31	26	36	30	25	23	23
8	53	39	29	23	51	38	29	23	35	28	22	33	26	21	32	25	21	19	19
9	49	34	25	19	47	33	25	19	31	24	19	30	23	18	28	22	17	15	15
10	45	31	22	16	43	30	22	16	28	21	16	27	20	15	25	19	15	13	13

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.



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PAGE: 9 OF 9

ADDRESS: 170 LUDLOW AVE.  
NORTHVALE, NJ 07647

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REPORT NUMBER: ITL87576-SPHERE  
DATE: 06/20/16  
PREPARED FOR: RAB LIGHTING INC.  
CATALOG NUMBER: FSLEDH3N/120 - FSLEDH3N/120/TL

ADDRESS: 170 LUDLOW AVE.  
NORTHVALE, NJ 07647

LUMINAIRE: CAST BROWN PAINTED METAL HOUSING/FACEPLATE, CAST BROWN PAINTED METAL CIRCUIT BOARD MOUNTING BASE WITH UNFINISHED CIRCUIT BOARD MOUNTING SURFACE, 1 WHITE CIRCUIT BOARD WITH 3 LEDS, CLEAR FLAT GLASS LENS.

LAMP: THREE WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

DRIVER: INTEGRAL TO CIRCUIT BOARD

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LUMINAIRE.

Calibration Due:

INSTRUMENTS:	Associated Power Technologies APT5020 AC Power Source	N/A
	Yokogawa WT210 Digital Power Meter #4	04/07/17
	Ocean Optics QE65000 Spectroradiometer	04/19/17
	ITL 1.5m Diameter Integrating Sphere S15-2, 4PI Geometry	04/19/17

OBJECT OF TEST: Measure the Absolute Flux in lumens\*, Spectral Power Distribution (SPD), Correlated Color Temperature (CCT), Color Rendering Index (CRIa,1-14), Chromaticity Coordinates (x,y; u',v'), ANSI C78.377 Duv, Total Radiant Flux\*, Scotopic / Photopic Lumen Ratio, and electrical data including ANSI C82.77-2002 Power Factor (PF) and Total Harmonic Distortion (THD) to the test sample.

PROCEDURE: The test sample was provided by the customer and had an unknown number of operating hours. The test sample was mounted inside the integrating sphere and allowed to stabilize. After stabilization occurred, measurements were taken. In order to measure mean performance, multiple data sets were recorded and averaged. Readings were taken with the test sample operating at 120VAC input in a 25 +/-1 degree Celsius free air ambient and in accordance with IESNA LM-79-08. All data are traceable to the National Institute of Standards and Technology.

RESULTS: (continued subsequent pages)

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Checked	<i>N WHITE</i>
Approved	<i>P O'CONNOR</i> Sphere Lab Supervisor



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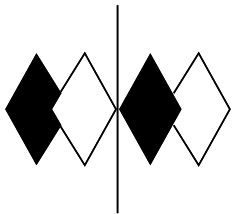
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RESULTS:

PHOTOMETRIC	
Total Integrated Flux (lumens)	39.4 *
SPECTRORADIOMETRIC	
Observer	CIE 1931 2 degree
Chromaticity Ordinate x	0.3730
Chromaticity Ordinate y	0.3728
Observer	CIE 1976 2 degree
Chromaticity Ordinate u'	0.2218
Chromaticity Ordinate v'	0.4987
Correlated Color Temp CCT (K)	4182
ANSI C78.377-2008 Duv	0.000
Total Radiant Flux (milliWatts)	121 *
Scotopic / Photopic Lumen Ratio	1.773
ELECTRICAL	
Input Voltage (Volts AC )	120.0
Input Current (Amps AC )	0.027
Input Power (Watts)	3.04
Input Power Factor (%)	93.8
Input Current THD (%)	31.5
Input Voltage THD (%)	0.3
EFFICACY (lumens/Watt)	13.0

COLOR RENDERING INDICES		CRI
Ra (Average 1-8)		83
R1	Light greyish red	81
R2	Dark greyish yellow	88
R3	Strong yellowish green	94
R4	Moderate yellowish green	82
R5	Light bluish green	82
R6	Light blue	84
R7	Light violet	86
R8	Light reddish purple	66
R9	Strong red	9
R10	Strong yellow	72
R11	Strong green	81
R12	Strong blue	65
R13	Light yellowish pink (skin)	82
R14	Moderate olive green (leaf)	97

\*NOTE: The total lumen output shown on this report was obtained from photometric test ITL87576-GONIOPHOTOMETRY



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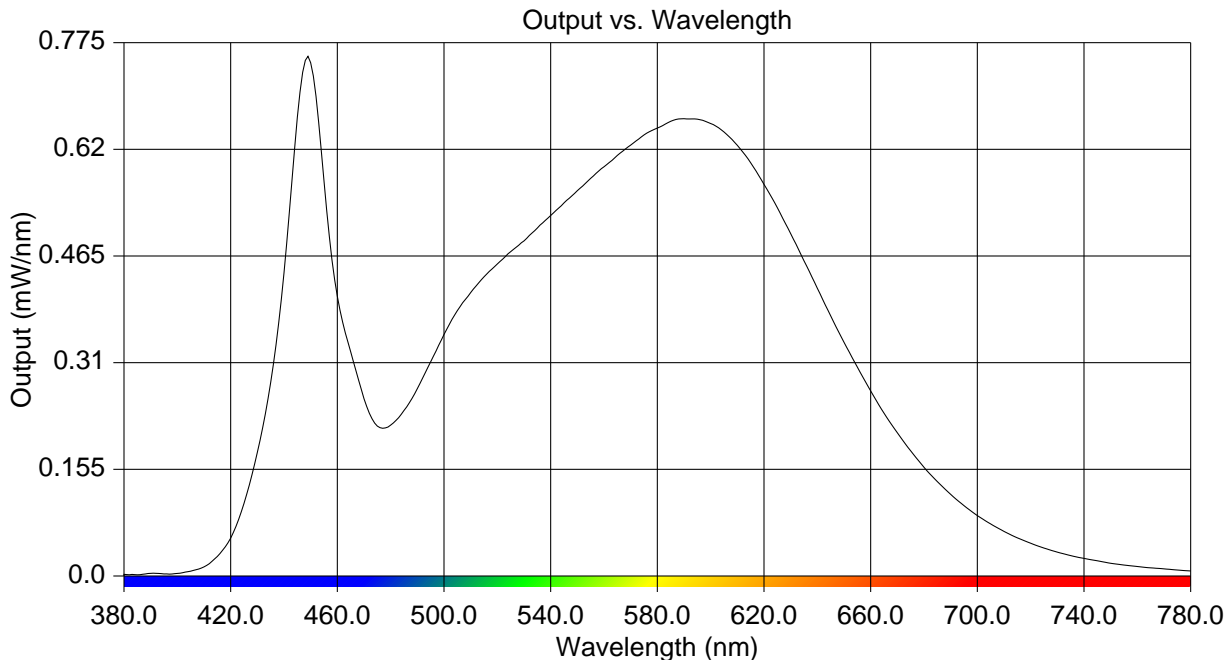
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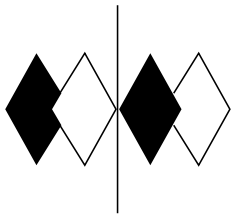
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RESULTS:

Wavelength	mW per nm	Wavelength	mW per nm	Wavelength	mW per nm
380	0.002	515	0.435	650	0.340
385	0.002	520	0.453	655	0.304
390	0.004	525	0.471	660	0.269
395	0.003	530	0.487	665	0.237
400	0.004	535	0.506	670	0.208
405	0.007	540	0.524	675	0.182
410	0.013	545	0.542	680	0.158
415	0.028	550	0.560	685	0.137
420	0.055	555	0.578	690	0.119
425	0.105	560	0.595	695	0.102
430	0.180	565	0.611	700	0.088
435	0.281	570	0.626	705	0.076
440	0.440	575	0.641	710	0.065
445	0.666	580	0.651	715	0.055
450	0.746	585	0.661	720	0.048
455	0.574	590	0.665	725	0.041
460	0.406	595	0.664	730	0.035
465	0.326	600	0.657	735	0.030
470	0.258	605	0.645	740	0.026
475	0.218	610	0.626	745	0.022
480	0.219	615	0.600	750	0.018
485	0.241	620	0.569	755	0.016
490	0.272	625	0.535	760	0.014
495	0.311	630	0.498	765	0.012
500	0.351	635	0.458	770	0.010
505	0.386	640	0.418	775	0.009
510	0.412	645	0.378	780	0.007





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## CIE Chromaticity Diagram

