

REPORT NUMBER: ITL82629

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ISSUE DATE: 09/05/14

PREPARED FOR: STONE LIGHTING, LLC.

CATALOG NUMBER: CL507FRSNOB10

LUMINAIRE: FABRICATED SEMI-SPECULAR METAL HOUSING, SPECULAR TEXTURED FOIL REFLECTOR, ONE WHITE CIRCUIT BOARD WITH 36 LEDS AND INTEGRAL DRIVER, CLEAR GLASS DROP DIFFUSER WITH TRANSLUCENT WHITE FINISHED INTERIOR.

LAMPS: THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

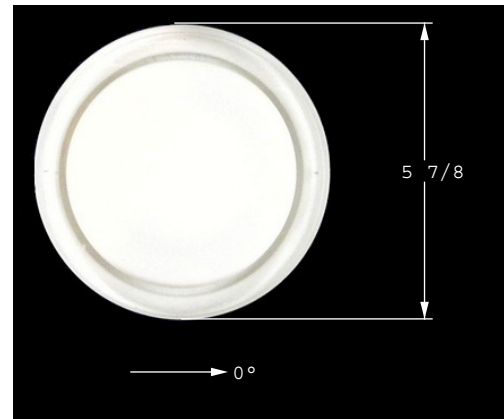
TOTAL INPUT WATTS = 11.8 AT 120.0 VOLTS

MOUNTING: SURFACE

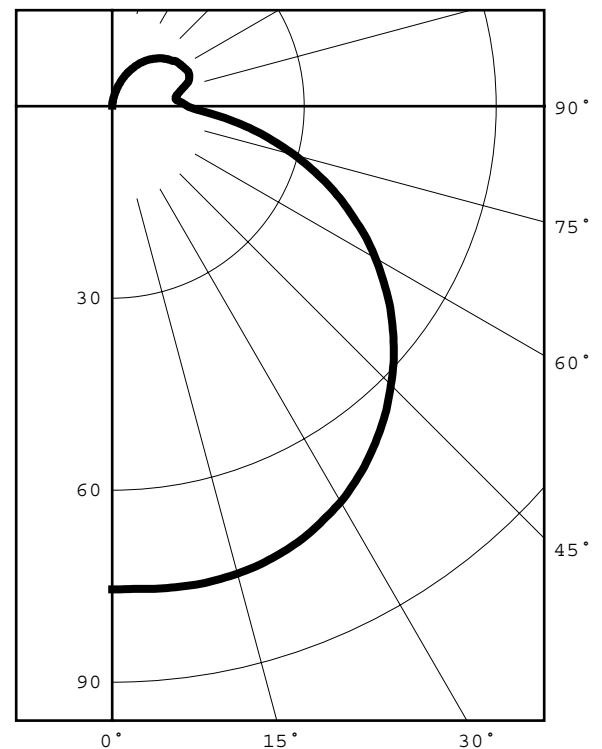
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE CIRCUIT BOARD.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



DEG	CANDELA	LUMENS
0	75.5	
5	75.7	7
15	75.6	21
25	73.4	34
35	68.7	43
45	61.6	48
55	52.7	47
65	41.8	41
75	29.5	31
85	16.3	18
90	11.8	
95	10.2	12
105	11.6	12
115	13.0	13
125	12.2	11
135	10.6	8
145	8.5	5
155	5.8	3
165	2.8	1
175	0.4	0
180	0.0	



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	62	17.6
0- 40	105	29.7
0- 60	200	56.3
0- 90	291	81.8
90-120	37	10.3
90-130	47	13.3
90-150	61	17.1
90-180	65	18.2
0-180	356	100.0

EFFICACY = 30.2 lm/W

CIE TYPE - SEMI-DIRECT

LUMINAIRE SPACING CRITERION = 1.40

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LUMINOUS DIAMETER: 5.875
HEIGHT OF SIDE : 1.063

LUMINANCE DATA IN CANDELA/SQ M
ANGLE AVERAGE
IN DEG

45	4049.
55	3953.
65	3786.
75	3505.
85	2944.

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CANDELA DISTRIBUTION

0.0	75.5
5.0	75.7
10.0	75.9
15.0	75.6
20.0	74.8
25.0	73.4
30.0	71.4
35.0	68.7
40.0	65.4
45.0	61.6
50.0	57.4
55.0	52.7
60.0	47.5
65.0	41.8
70.0	35.9
75.0	29.5
80.0	23.0
85.0	16.3
90.0	11.8
95.0	10.2
100.0	10.3
105.0	11.6
110.0	12.8
115.0	13.0
120.0	12.6
125.0	12.2
130.0	11.4
135.0	10.6
140.0	9.6
145.0	8.5
150.0	7.2
155.0	5.8
160.0	4.3
165.0	2.8
170.0	1.5
175.0	0.4
180.0	0.0

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5-DEGREE
 ZONAL LUMEN SUMMARY

0- 5	2
5- 10	5
10- 15	9
15- 20	12
20- 25	16
25- 30	18
30- 35	21
35- 40	22
40- 45	24
45- 50	24
50- 55	24
55- 60	23
60- 65	22
65- 70	20
70- 75	17
75- 80	14
80- 85	11
85- 90	8
90- 95	6
95-100	6
100-105	6
105-110	6
110-115	7
115-120	6
120-125	6
125-130	5
130-135	4
135-140	4
140-145	3
145-150	2
150-155	2
155-160	1
160-165	1
165-170	0
170-175	0
175-180	0

10-DEGREE
 ZONAL LUMEN SUMMARY

0- 10	7
0- 20	29
0- 30	62
0- 40	105
0- 50	153
0- 60	200
0- 70	242
0- 80	273
0- 90	291
0-100	302
0-110	315
0-120	327
0-130	338
0-140	347
0-150	352
0-160	355
0-170	355
0-180	356

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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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	103	97	92	87	98	93	88	84	85	82	78	78	75	73	72	70	67	64
2	92	83	76	69	88	80	73	67	73	68	63	67	63	59	62	58	55	51
3	84	72	63	56	79	69	61	55	64	57	51	58	53	48	54	49	45	42
4	76	63	54	47	72	61	52	46	56	49	43	51	45	41	47	42	38	35
5	70	56	47	40	66	54	45	39	50	42	37	46	40	35	42	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	41	35	30	38	33	28	26
7	59	45	36	30	56	44	35	29	40	33	28	37	31	26	35	29	25	23
8	55	41	32	26	52	40	31	26	37	30	25	34	28	23	32	26	22	20
9	51	38	29	24	49	36	28	23	34	27	22	31	25	21	29	24	20	18
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

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.

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EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	103	97	92	87	98	93	88	84	85	82	78	78	75	73	72	70	67	64
2	92	83	76	69	88	80	73	67	73	68	63	67	63	59	62	58	55	51
3	84	72	63	56	79	69	61	55	64	57	51	58	53	48	54	49	45	42
4	76	63	54	47	72	61	52	46	56	49	43	51	45	41	47	42	38	35
5	70	56	47	40	66	54	45	39	50	42	37	46	40	35	42	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	41	35	30	38	33	28	26
7	59	45	36	30	56	44	35	29	40	33	28	37	31	26	35	29	25	23
8	55	41	32	26	52	40	31	26	37	30	25	34	28	23	32	26	22	20
9	51	38	29	24	49	36	28	23	34	27	22	31	25	21	29	24	20	18
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