

REPORT NUMBER: PRORATED FROM RAB02167

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ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK12XL12RN

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 7 LED BOARDS EACH WITH 7 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

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

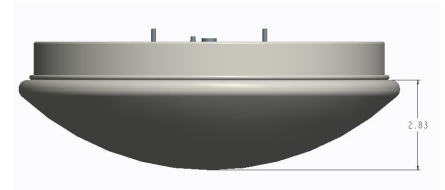
NOTE: THIS REPORT WAS PRORATED FROM RAB02167 WHICH WAS SK12XL12RYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 12.157 AT 120.0 VOLTS.

LED DRIVER: RDD-MK015-MKP40-A0500

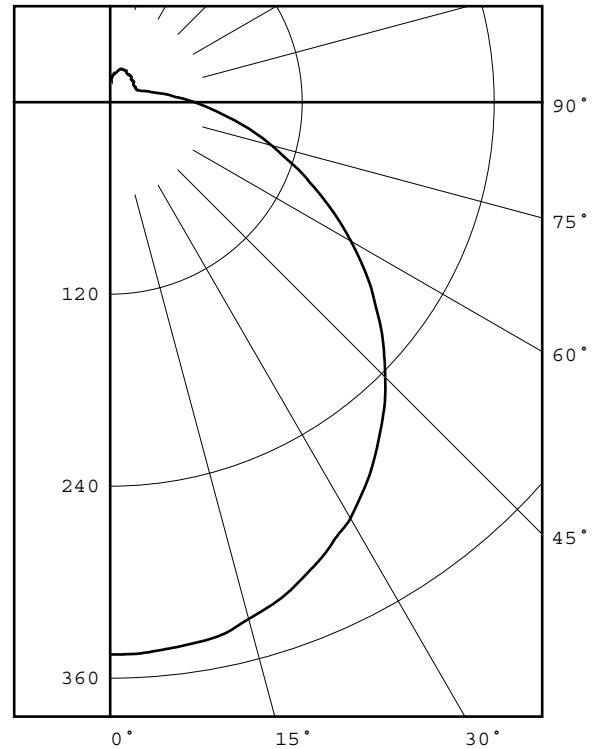
TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET



DEG	CANDELA	LUMENS
0	345	
5	344	33
15	334	95
25	314	145
35	283	177
45	243	188
55	198	177
65	150	148
75	105	111
85	67	74
90	53	
95	40	45
105	26	27
115	18	19
125	18	16
135	19	15
145	21	13
155	22	10
165	21	6
175	16	2
180	17	

ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	272	20.9
0- 40	449	34.5
0- 60	814	62.6
0- 90	1147	88.2
90-120	91	7.0
90-130	108	8.3
90-150	136	10.4
90-180	153	11.8
0-180	1300	100.0



Checked	<u>X.CAO</u>
Approved	<u>D.WANG-MUNSON</u>

TOTAL INPUT WATTS = 12.157

EFFICACY = 106.9 Lm/W

CIE TYPE - SEMI-DIRECT

LUMINAIRE SPACING CRITERION = 1.3

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LUMINOUS DIAMETER: 12.000  
HEIGHT OF SIDE : 2.830

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	3623.
55	3312.
65	2948.
75	2610.
85	2371.

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### CANDELA DISTRIBUTION

	0.0
0.0	345
5.0	344
10.0	342
15.0	334
20.0	326
25.0	314
30.0	300
35.0	283
40.0	264
45.0	243
50.0	221
55.0	198
60.0	174
65.0	150
70.0	126
75.0	105
80.0	85
85.0	67
90.0	53
95.0	40
100.0	32
105.0	26
110.0	21
115.0	18
120.0	18
125.0	18
130.0	19
135.0	19
140.0	21
145.0	21
150.0	21
155.0	22
160.0	22
165.0	21
170.0	18
175.0	16
180.0	17

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### ZONAL LUMEN SUMMARY

0- 5	8.
5- 10	25.
10- 15	40.
15- 20	54.
20- 25	67.
25- 30	78.
30- 35	86.
35- 40	91.
40- 45	94.
45- 50	94.
50- 55	91.
55- 60	86.
60- 65	79.
65- 70	70.
70- 75	60.
75- 80	51.
80- 85	41.
85- 90	33.
90- 95	25.
95-100	20.
100-105	15.
105-110	12.
110-115	10.
115-120	9.
120-125	8.
125-130	8.
130-135	8.
135-140	7.
140-145	7.
145-150	6.
150-155	5.
155-160	5.
160-165	4.
165-170	2.
170-175	1.
175-180	0.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	8
5- 10	25
10- 15	40
15- 20	54
20- 25	67
25- 30	78
30- 35	86
35- 40	91
40- 45	94
45- 50	94
50- 55	91
55- 60	86
60- 65	79
65- 70	70
70- 75	60
75- 80	51
80- 85	41
85- 90	33
90- 95	25
95-100	20
100-105	15
105-110	12
110-115	10
115-120	9
120-125	8
125-130	8
130-135	8
135-140	7
140-145	7
145-150	6
150-155	5
155-160	5
160-165	4
165-170	2
170-175	1
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	33
0- 20	127
0- 30	272
0- 40	449
0- 50	637
0- 60	814
0- 70	962
0- 80	1073
0- 90	1147
0-100	1192
0-110	1219
0-120	1238
0-130	1254
0-140	1269
0-150	1282
0-160	1292
0-170	1298
0-180	1300

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	104	98	93	89	100	95	90	86	89	85	81	83	80	77	77	75	73	70
2	94	85	77	71	90	82	75	69	76	71	66	71	67	63	67	63	59	57
3	85	74	65	58	82	71	63	57	67	60	54	62	57	52	58	54	50	47
4	78	65	56	49	74	63	54	48	59	52	46	55	49	44	52	47	42	40
5	71	58	49	42	68	56	47	41	53	45	39	49	43	38	46	41	36	34
6	66	52	43	36	63	50	42	36	47	40	34	45	38	33	42	36	32	30
7	61	47	38	32	58	46	37	31	43	36	30	41	34	29	38	33	28	26
8	57	43	34	28	54	42	33	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	25	51	38	30	25	36	29	24	34	28	23	32	27	23	21
10	49	36	28	23	48	35	28	22	33	27	22	32	26	21	30	25	21	19

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 LUMINAIRE SAMPLE.