

REPORT NUMBER: PRORATED FROM RAB02167

PAGE: 1 OF 6

ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK12XL12RY

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 = 12.032 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	308	
5	307	29
15	298	84
25	280	129
35	253	158
45	217	167
55	177	158
65	133	132
75	93	99
85	60	66
90	48	
95	36	40
105	23	24
115	16	17
125	16	15
135	17	14
145	18	12
155	20	9
165	18	5
175	14	1
180	15	

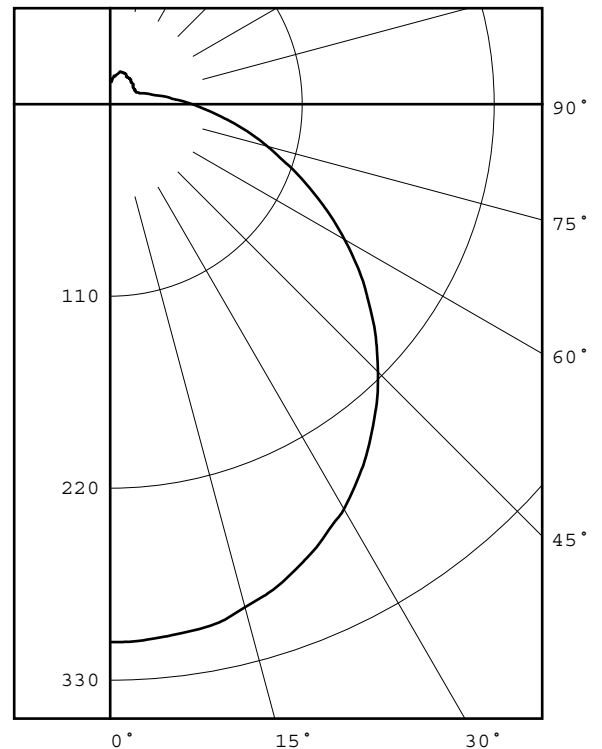
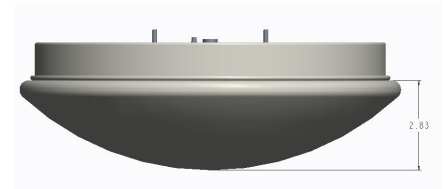
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	243	20.9
0- 40	401	34.5
0- 60	726	62.6
0- 90	1023	88.2
90-120	81	7.0
90-130	96	8.3
90-150	121	10.4
90-180	137	11.8
0-180	1160	100.0

TOTAL INPUT WATTS = 12.032

EFFICACY = 96.4 lm/W

CIE TYPE - SEMI-DIRECT

LUMINAIRE SPACING CRITERION = 1.3



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

REPORT NUMBER: PRORATED FROM RAB02167
ISSUE DATE: 07/07/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 6

LUMINOUS DIAMETER: 12.000
HEIGHT OF SIDE : 2.830

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	3233.
55	2956.
65	2631.
75	2328.
85	2116.

REPORT NUMBER: PRORATED FROM RAB02167
ISSUE DATE: 07/07/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 6

CANDELA DISTRIBUTION

	0.0
0.0	308
5.0	307
10.0	305
15.0	298
20.0	291
25.0	280
30.0	268
35.0	253
40.0	235
45.0	217
50.0	197
55.0	177
60.0	155
65.0	133
70.0	113
75.0	93
80.0	76
85.0	60
90.0	48
95.0	36
100.0	28
105.0	23
110.0	18
115.0	16
120.0	16
125.0	16
130.0	17
135.0	17
140.0	18
145.0	18
150.0	18
155.0	20
160.0	20
165.0	18
170.0	16
175.0	14
180.0	15

REPORT NUMBER: PRORATED FROM RAB02167
ISSUE DATE: 07/07/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 6

ZONAL LUMEN SUMMARY

0- 5	7.
5- 10	22.
10- 15	36.
15- 20	49.
20- 25	60.
25- 30	69.
30- 35	77.
35- 40	81.
40- 45	84.
45- 50	84.
50- 55	81.
55- 60	77.
60- 65	70.
65- 70	62.
70- 75	54.
75- 80	45.
80- 85	37.
85- 90	29.
90- 95	23.
95-100	18.
100-105	13.
105-110	11.
110-115	9.
115-120	8.
120-125	8.
125-130	7.
130-135	7.
135-140	7.
140-145	6.
145-150	5.
150-155	5.
155-160	4.
160-165	3.
165-170	2.
170-175	1.
175-180	0.

REPORT NUMBER: PRORATED FROM RAB02167
 ISSUE DATE: 07/07/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 6

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	7
5- 10	22
10- 15	36
15- 20	49
20- 25	60
25- 30	69
30- 35	77
35- 40	81
40- 45	84
45- 50	84
50- 55	81
55- 60	77
60- 65	70
65- 70	62
70- 75	54
75- 80	45
80- 85	37
85- 90	29
90- 95	23
95-100	18
100-105	13
105-110	11
110-115	9
115-120	8
120-125	8
125-130	7
130-135	7
135-140	7
140-145	6
145-150	5
150-155	5
155-160	4
160-165	3
165-170	2
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	29
0- 20	114
0- 30	243
0- 40	401
0- 50	568
0- 60	726
0- 70	858
0- 80	957
0- 90	1023
0-100	1063
0-110	1088
0-120	1104
0-130	1119
0-140	1133
0-150	1144
0-160	1153
0-170	1158
0-180	1160

REPORT NUMBER: PRORATED FROM RAB02167
ISSUE DATE: 07/07/16

PAGE: 6 OF 6

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	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.