

REPORT NUMBER: PRORATED FROM RAB02175

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ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RY

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 10 LED BOARDS EACH WITH 8 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

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

NOTE: THIS REPORT WAS PRORATED FROM RAB02175 WHICH WAS SK16XL20RYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 20.293 AT 120.0 VOLTS.

LED DRIVER: RDD-MK022-MKP45-A0700

TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET

DEG	CANDELA	LUMENS
0	542	
5	540	51
15	523	147
25	487	224
35	435	273
45	373	288
55	298	267
65	219	217
75	144	153
85	87	96
90	64	
95	47	52
105	24	27
115	17	18
125	17	16
135	18	14
145	18	12
155	20	9
165	18	5
175	15	2
180	17	

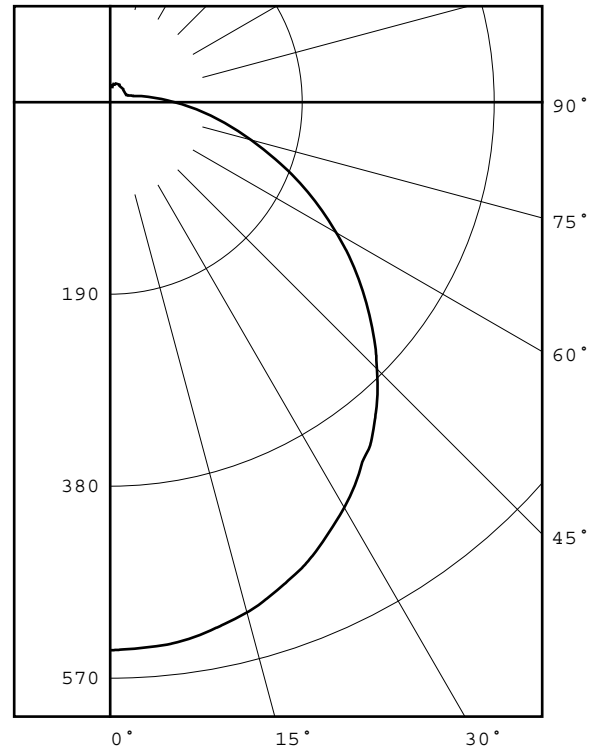
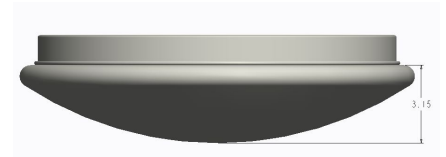
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	423	22.6
0- 40	697	37.2
0- 60	1252	66.9
0- 90	1717	91.8
90-120	96	5.1
90-130	111	6.0
90-150	137	7.3
90-180	153	8.2
0-180	1870	100.0

TOTAL INPUT WATTS = 20.293

EFFICACY = 92.2 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.3



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

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LUMINOUS DIAMETER: 16.000
HEIGHT OF SIDE : 3.150

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	3252.
55	2951.
65	2599.
75	2219.
85	1985.

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CANDELA DISTRIBUTION

	0.0
0.0	542
5.0	540
10.0	534
15.0	523
20.0	507
25.0	487
30.0	463
35.0	435
40.0	408
45.0	373
50.0	336
55.0	298
60.0	258
65.0	219
70.0	180
75.0	144
80.0	114
85.0	87
90.0	64
95.0	47
100.0	34
105.0	24
110.0	20
115.0	17
120.0	17
125.0	17
130.0	17
135.0	18
140.0	18
145.0	18
150.0	18
155.0	20
160.0	20
165.0	18
170.0	17
175.0	15
180.0	17

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ZONAL LUMEN SUMMARY

0- 5	13.
5- 10	38.
10- 15	63.
15- 20	85.
20- 25	104.
25- 30	120.
30- 35	132.
35- 40	141.
40- 45	145.
45- 50	143.
50- 55	138.
55- 60	129.
60- 65	116.
65- 70	101.
70- 75	85.
75- 80	69.
80- 85	54.
85- 90	41.
90- 95	30.
95-100	22.
100-105	15.
105-110	11.
110-115	9.
115-120	8.
120-125	8.
125-130	8.
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.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	13
5- 10	38
10- 15	63
15- 20	85
20- 25	104
25- 30	120
30- 35	132
35- 40	141
40- 45	145
45- 50	143
50- 55	138
55- 60	129
60- 65	116
65- 70	101
70- 75	85
75- 80	69
80- 85	54
85- 90	41
90- 95	30
95-100	22
100-105	15
105-110	11
110-115	9
115-120	8
120-125	8
125-130	8
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	51
0- 20	199
0- 30	423
0- 40	697
0- 50	985
0- 60	1252
0- 70	1469
0- 80	1622
0- 90	1717
0-100	1769
0-110	1796
0-120	1813
0-130	1829
0-140	1843
0-150	1854
0-160	1863
0-170	1869
0-180	1870

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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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	105	100	95	91	102	97	92	88	91	87	84	86	83	80	81	78	76	73
2	95	86	79	73	92	84	77	71	79	73	68	74	69	65	70	66	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	61	57	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	58	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	42	36	31	40	35	30	28
8	58	44	35	29	56	43	35	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	22	32	26	22	20

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.