

REPORT NUMBER: PRORATED FROM RAB02175

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ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RN

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 = 20.504 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	608	
5	605	58
15	586	165
25	546	252
35	487	306
45	418	323
55	334	299
65	246	243
75	162	172
85	97	107
90	72	
95	52	58
105	27	30
115	19	20
125	19	17
135	21	16
145	21	13
155	22	10
165	21	6
175	17	2
180	19	

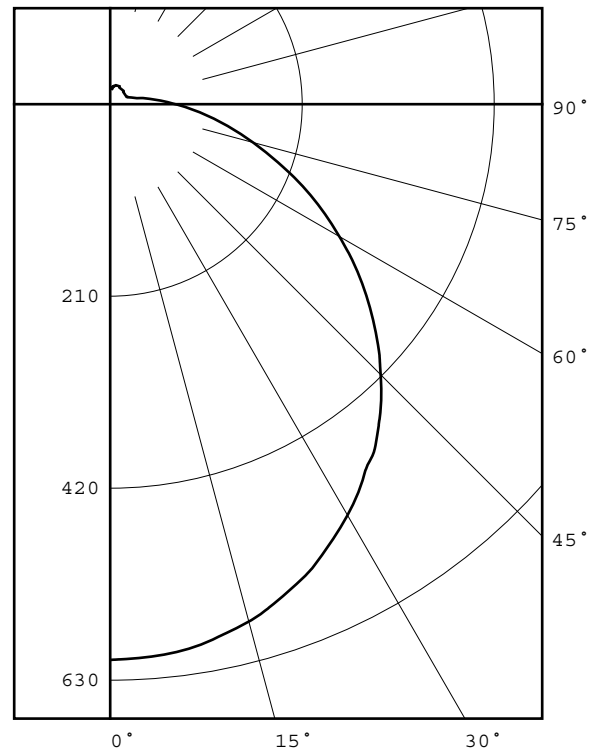
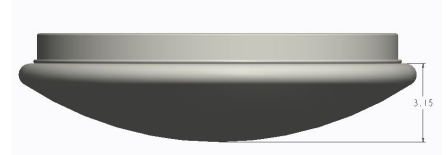
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	474	22.6
0- 40	781	37.2
0- 60	1403	66.9
0- 90	1925	91.8
90-120	107	5.1
90-130	125	6.0
90-150	154	7.3
90-180	171	8.2
0-180	2096	100.0

TOTAL INPUT WATTS = 20.504

EFFICACY = 102.2 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	3644.
55	3307.
65	2912.
75	2487.
85	2225.

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CANDELA DISTRIBUTION

	0.0
0.0	608
5.0	605
10.0	598
15.0	586
20.0	568
25.0	546
30.0	519
35.0	487
40.0	457
45.0	418
50.0	377
55.0	334
60.0	289
65.0	246
70.0	202
75.0	162
80.0	128
85.0	97
90.0	72
95.0	52
100.0	38
105.0	27
110.0	22
115.0	19
120.0	19
125.0	19
130.0	19
135.0	21
140.0	21
145.0	21
150.0	21
155.0	22
160.0	22
165.0	21
170.0	19
175.0	17
180.0	19

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ZONAL LUMEN SUMMARY

0- 5	14.
5- 10	43.
10- 15	70.
15- 20	95.
20- 25	117.
25- 30	135.
30- 35	148.
35- 40	158.
40- 45	162.
45- 50	161.
50- 55	155.
55- 60	144.
60- 65	130.
65- 70	113.
70- 75	95.
75- 80	77.
80- 85	61.
85- 90	46.
90- 95	34.
95-100	24.
100-105	17.
105-110	13.
110-115	10.
115-120	9.
120-125	9.
125-130	8.
130-135	8.
135-140	8.
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	14
5- 10	43
10- 15	70
15- 20	95
20- 25	117
25- 30	135
30- 35	148
35- 40	158
40- 45	162
45- 50	161
50- 55	155
55- 60	144
60- 65	130
65- 70	113
70- 75	95
75- 80	77
80- 85	61
85- 90	46
90- 95	34
95-100	24
100-105	17
105-110	13
110-115	10
115-120	9
120-125	9
125-130	8
130-135	8
135-140	8
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	58
0- 20	223
0- 30	474
0- 40	781
0- 50	1104
0- 60	1403
0- 70	1646
0- 80	1818
0- 90	1925
0-100	1982
0-110	2012
0-120	2032
0-130	2050
0-140	2065
0-150	2078
0-160	2088
0-170	2094
0-180	2096

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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.