

REPORT NUMBER: PRORATED FROM RAB02115

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ISSUE DATE: 07/7/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RDN

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

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

NOTE: THIS REPORT WAS PRORATED FROM RAB02115 WHICH WAS SK16XL20RDYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 20.497 AT 120.0 VOLTS.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

DEG	CANDELA	LUMENS
0	585	
5	583	56
15	565	159
25	526	243
35	477	297
45	404	311
55	321	287
65	231	229
75	139	147
85	66	74
90	41	
95	24	28
105	11	12
115	13	13
125	17	15
135	21	16
145	23	15
155	28	13
165	28	8
175	24	2
180	27	

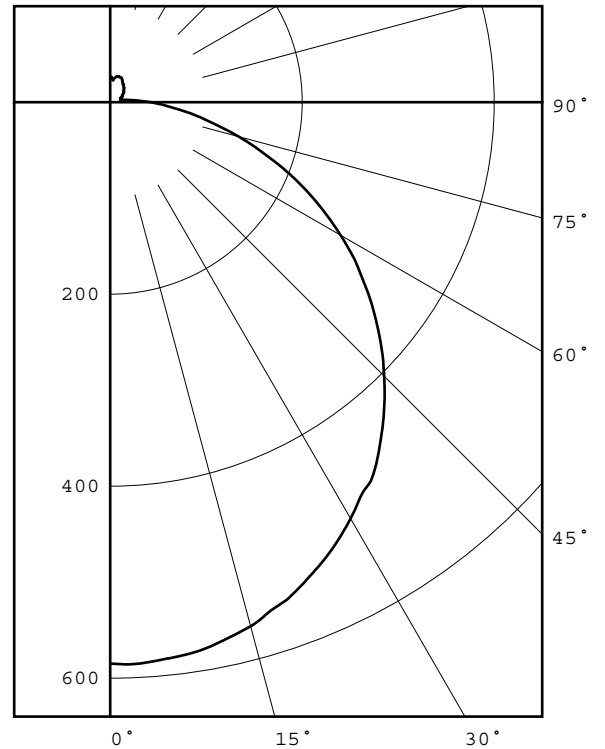
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	458	23.8
0- 40	754	39.2
0- 60	1353	70.3
0- 90	1802	93.7
90-120	53	2.8
90-130	68	3.6
90-150	99	5.1
90-180	122	6.3
0-180	1924	100.0

TOTAL INPUT WATTS = 20.497

EFFICACY = 93.9 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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## ADDITIONAL INFORMATION

LED DRIVER: RDD-MK022-MKP45-A0700  
TST PROCEDURE: IESNA LM 79-08  
TEST DISTANCE = 25.25 FEET

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LUMINOUS DIAMETER: 14.540  
HEIGHT OF SIDE : 3.150

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	4175.
55	3746.
65	3204.
75	2462.
85	1692.

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### CANDELA DISTRIBUTION

	0.0
0.0	585
5.0	583
10.0	577
15.0	565
20.0	548
25.0	526
30.0	501
35.0	477
40.0	441
45.0	404
50.0	363
55.0	321
60.0	277
65.0	231
70.0	184
75.0	139
80.0	98
85.0	66
90.0	41
95.0	24
100.0	15
105.0	11
110.0	11
115.0	13
120.0	15
125.0	17
130.0	18
135.0	21
140.0	22
145.0	23
150.0	26
155.0	28
160.0	28
165.0	28
170.0	26
175.0	24
180.0	27

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### ZONAL LUMEN SUMMARY

0- 5	14.
5- 10	42.
10- 15	68.
15- 20	92.
20- 25	113.
25- 30	130.
30- 35	144.
35- 40	153.
40- 45	156.
45- 50	155.
50- 55	149.
55- 60	138.
60- 65	123.
65- 70	105.
70- 75	84.
75- 80	63.
80- 85	44.
85- 90	29.
90- 95	18.
95-100	10.
100-105	7.
105-110	6.
110-115	6.
115-120	7.
120-125	7.
125-130	8.
130-135	8.
135-140	8.
140-145	8.
145-150	7.
150-155	7.
155-160	6.
160-165	5.
165-170	3.
170-175	2.
175-180	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	14
5- 10	42
10- 15	68
15- 20	92
20- 25	113
25- 30	130
30- 35	144
35- 40	153
40- 45	156
45- 50	155
50- 55	149
55- 60	138
60- 65	123
65- 70	105
70- 75	84
75- 80	63
80- 85	44
85- 90	29
90- 95	18
95-100	10
100-105	7
105-110	6
110-115	6
115-120	7
120-125	7
125-130	8
130-135	8
135-140	8
140-145	8
145-150	7
150-155	7
155-160	6
160-165	5
165-170	3
170-175	2
175-180	1

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	56
0- 20	215
0- 30	458
0- 40	754
0- 50	1066
0- 60	1353
0- 70	1582
0- 80	1728
0- 90	1802
0-100	1830
0-110	1842
0-120	1856
0-130	1871
0-140	1886
0-150	1901
0-160	1914
0-170	1921
0-180	1924

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	101	96	92	103	98	94	90	93	89	86	88	85	82	83	81	79	76
2	96	88	80	74	93	85	78	73	80	75	70	76	72	68	72	69	65	63
3	87	77	68	61	84	74	67	60	71	64	58	67	61	57	64	59	55	52
4	80	68	59	52	77	66	57	51	62	55	50	59	53	48	56	51	47	44
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	33	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21

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.