

REPORT NUMBER: PRORATED FROM RAB02115

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ISSUE DATE: 07/7/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RDYN

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 = 20.463 AT 120.0 VOLTS.

(SEE PAGE 2 FOR MORE INFORMATION)

DEG	CANDELA	LUMENS
0	575	
5	574	55
15	556	157
25	518	239
35	469	292
45	397	306
55	316	283
65	227	225
75	136	145
85	65	73
90	41	
95	24	27
105	11	12
115	13	13
125	17	15
135	20	15
145	23	15
155	28	12
165	28	8
175	24	2
180	26	

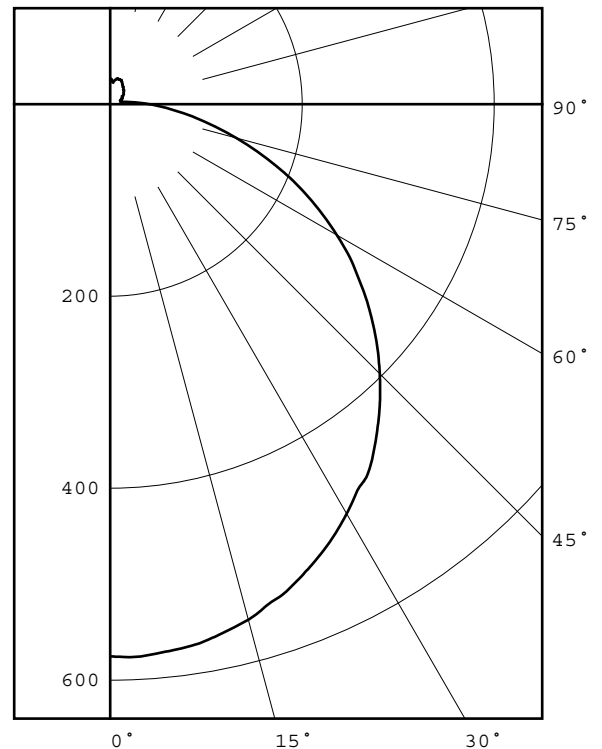
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	450	23.8
0- 40	742	39.2
0- 60	1331	70.3
0- 90	1773	93.7
90-120	53	2.8
90-130	67	3.6
90-150	97	5.1
90-180	120	6.3
0-180	1892	100.0

TOTAL INPUT WATTS = 20.463

EFFICACY = 92.5 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	4107.
55	3685.
65	3152.
75	2422.
85	1665.

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CANDELA DISTRIBUTION

	0.0
0.0	575
5.0	574
10.0	568
15.0	556
20.0	539
25.0	518
30.0	493
35.0	469
40.0	434
45.0	397
50.0	358
55.0	316
60.0	273
65.0	227
70.0	181
75.0	136
80.0	97
85.0	65
90.0	41
95.0	24
100.0	14
105.0	11
110.0	11
115.0	13
120.0	14
125.0	17
130.0	18
135.0	20
140.0	22
145.0	23
150.0	25
155.0	28
160.0	28
165.0	28
170.0	25
175.0	24
180.0	26

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ZONAL LUMEN SUMMARY

0- 5	14.
5- 10	41.
10- 15	67.
15- 20	90.
20- 25	111.
25- 30	128.
30- 35	141.
35- 40	151.
40- 45	154.
45- 50	153.
50- 55	146.
55- 60	136.
60- 65	121.
65- 70	103.
70- 75	83.
75- 80	62.
80- 85	44.
85- 90	29.
90- 95	17.
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	7.
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	41
10- 15	67
15- 20	90
20- 25	111
25- 30	128
30- 35	141
35- 40	151
40- 45	154
45- 50	153
50- 55	146
55- 60	136
60- 65	121
65- 70	103
70- 75	83
75- 80	62
80- 85	44
85- 90	29
90- 95	17
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	7
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	55
0- 20	211
0- 30	450
0- 40	742
0- 50	1048
0- 60	1331
0- 70	1556
0- 80	1700
0- 90	1773
0-100	1800
0-110	1812
0-120	1825
0-130	1840
0-140	1856
0-150	1870
0-160	1882
0-170	1890
0-180	1892

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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.