

REPORT NUMBER: PRORATED FROM RAB02115

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ISSUE DATE: 07/7/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK16XL20RDY

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 = 20.286 AT 120.0 VOLTS.

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

DEG	CANDELA	LUMENS
0	522	
5	521	50
15	504	142
25	470	217
35	425	265
45	360	278
55	286	256
65	206	204
75	124	131
85	59	66
90	37	
95	22	25
105	10	11
115	12	12
125	15	13
135	18	14
145	21	13
155	25	11
165	25	7
175	22	2
180	24	

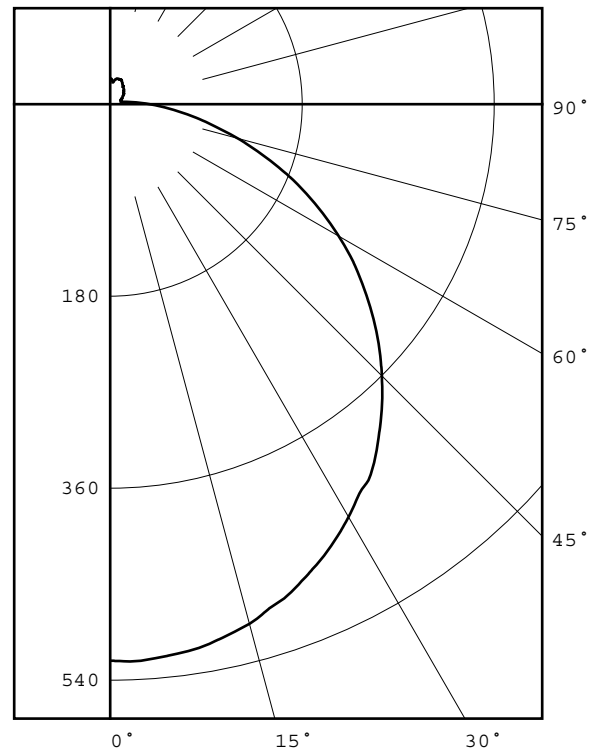
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	408	23.8
0- 40	673	39.2
0- 60	1207	70.3
0- 90	1608	93.7
90-120	48	2.8
90-130	61	3.6
90-150	88	5.1
90-180	109	6.3
0-180	1717	100.0

TOTAL INPUT WATTS = 20.286

EFFICACY = 84.6 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.3



Checked X.CAO  
Approved D.WANG-MUNSON

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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	3725.
55	3342.
65	2859.
75	2197.
85	1510.

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### CANDELA DISTRIBUTION

	0.0
0.0	522
5.0	521
10.0	515
15.0	504
20.0	489
25.0	470
30.0	447
35.0	425
40.0	394
45.0	360
50.0	324
55.0	286
60.0	247
65.0	206
70.0	164
75.0	124
80.0	88
85.0	59
90.0	37
95.0	22
100.0	13
105.0	10
110.0	10
115.0	12
120.0	13
125.0	15
130.0	16
135.0	18
140.0	20
145.0	21
150.0	23
155.0	25
160.0	25
165.0	25
170.0	23
175.0	22
180.0	24

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### ZONAL LUMEN SUMMARY

0- 5	12.
5- 10	37.
10- 15	60.
15- 20	82.
20- 25	101.
25- 30	116.
30- 35	128.
35- 40	137.
40- 45	140.
45- 50	138.
50- 55	133.
55- 60	124.
60- 65	110.
65- 70	94.
70- 75	75.
75- 80	56.
80- 85	40.
85- 90	26.
90- 95	16.
95-100	9.
100-105	6.
105-110	5.
110-115	5.
115-120	6.
120-125	7.
125-130	7.
130-135	7.
135-140	7.
140-145	7.
145-150	6.
150-155	6.
155-160	5.
160-165	4.
165-170	3.
170-175	2.
175-180	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	12
5- 10	37
10- 15	60
15- 20	82
20- 25	101
25- 30	116
30- 35	128
35- 40	137
40- 45	140
45- 50	138
50- 55	133
55- 60	124
60- 65	110
65- 70	94
70- 75	75
75- 80	56
80- 85	40
85- 90	26
90- 95	16
95-100	9
100-105	6
105-110	5
110-115	5
115-120	6
120-125	7
125-130	7
130-135	7
135-140	7
140-145	7
145-150	6
150-155	6
155-160	5
160-165	4
165-170	3
170-175	2
175-180	1

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	50
0- 20	192
0- 30	408
0- 40	673
0- 50	951
0- 60	1207
0- 70	1411
0- 80	1542
0- 90	1608
0-100	1633
0-110	1644
0-120	1656
0-130	1669
0-140	1683
0-150	1696
0-160	1708
0-170	1714
0-180	1717

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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.