

REPORT NUMBER: PRORATED FROM RAB02117

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ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RDY

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

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

NOTE: THIS REPORT WAS PRORATED FROM RAB02117 WHICH WAS SK21XL25RDYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 24.818 AT 120.0 VOLTS.

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

DEG	CANDELA	LUMENS
0	660	
5	656	62
15	636	179
25	592	273
35	529	332
45	451	349
55	361	323
65	258	255
75	152	162
85	68	76
90	40	
95	21	25
105	9	10
115	11	11
125	14	12
135	16	12
145	18	11
155	21	9
165	20	6
175	23	2
180	24	

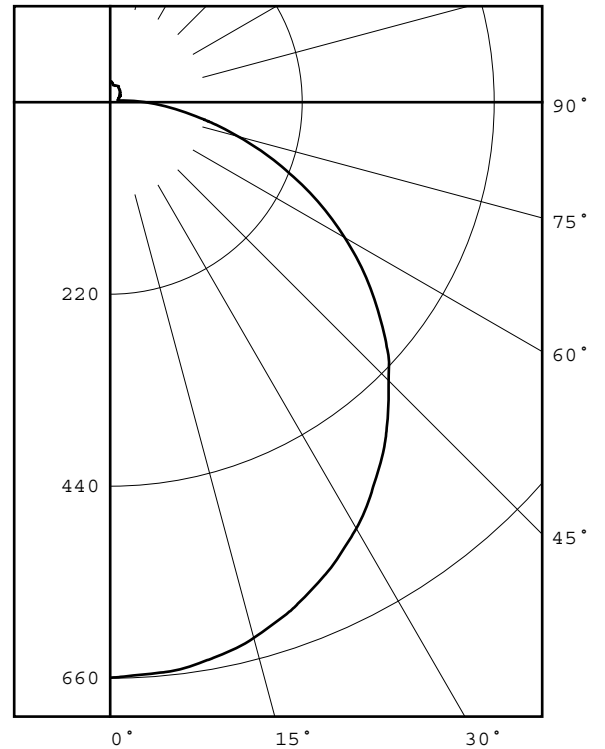
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	515	24.4
0- 40	846	40.1
0- 60	1518	72.0
0- 90	2010	95.3
90-120	45	2.1
90-130	57	2.7
90-150	81	3.8
90-180	98	4.7
0-180	2109	100.0

TOTAL INPUT WATTS = 24.818

EFFICACY = 85.0 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: 19.220  
HEIGHT OF SIDE : 3.460

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	2773.
55	2534.
65	2187.
75	1689.
85	1157.

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### CANDELA DISTRIBUTION

	0.0
0.0	660
5.0	656
10.0	649
15.0	636
20.0	616
25.0	592
30.0	564
35.0	529
40.0	492
45.0	451
50.0	409
55.0	361
60.0	310
65.0	258
70.0	204
75.0	152
80.0	105
85.0	68
90.0	40
95.0	21
100.0	11
105.0	9
110.0	10
115.0	11
120.0	12
125.0	14
130.0	15
135.0	16
140.0	17
145.0	18
150.0	20
155.0	21
160.0	21
165.0	20
170.0	20
175.0	23
180.0	24

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### ZONAL LUMEN SUMMARY

0- 5	16.
5- 10	47.
10- 15	76.
15- 20	103.
20- 25	127.
25- 30	146.
30- 35	161.
35- 40	171.
40- 45	175.
45- 50	174.
50- 55	167.
55- 60	155.
60- 65	138.
65- 70	117.
70- 75	93.
75- 80	69.
80- 85	47.
85- 90	29.
90- 95	16.
95-100	8.
100-105	5.
105-110	5.
110-115	5.
115-120	6.
120-125	6.
125-130	6.
130-135	6.
135-140	6.
140-145	6.
145-150	6.
150-155	5.
155-160	4.
160-165	3.
165-170	2.
170-175	2.
175-180	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	16
5- 10	47
10- 15	76
15- 20	103
20- 25	127
25- 30	146
30- 35	161
35- 40	171
40- 45	175
45- 50	174
50- 55	167
55- 60	155
60- 65	138
65- 70	117
70- 75	93
75- 80	69
80- 85	47
85- 90	29
90- 95	16
95-100	8
100-105	5
105-110	5
110-115	5
115-120	6
120-125	6
125-130	6
130-135	6
135-140	6
140-145	6
145-150	6
150-155	5
155-160	4
160-165	3
165-170	2
170-175	2
175-180	1

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	62
0- 20	242
0- 30	515
0- 40	846
0- 50	1195
0- 60	1518
0- 70	1773
0- 80	1934
0- 90	2010
0-100	2035
0-110	2045
0-120	2056
0-130	2068
0-140	2080
0-150	2092
0-160	2101
0-170	2107
0-180	2109

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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	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	107	102	97	93	103	99	95	91	94	90	87	89	86	84	85	82	80	78
2	97	88	81	75	94	86	79	74	81	76	71	77	73	69	74	70	67	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	54
4	80	68	59	52	78	66	58	51	63	56	50	60	54	49	58	52	48	45
5	74	61	51	45	71	59	51	44	57	49	43	54	47	42	52	46	41	39
6	68	54	45	39	66	53	45	38	51	43	38	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	34	28	24	22

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.