

REPORT NUMBER: PRORATED FROM RAB02117

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ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RDYN

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 = 25.035 AT 120.0 VOLTS.

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

DEG	CANDELA	LUMENS
0	727	
5	723	69
15	701	198
25	653	301
35	584	366
45	497	385
55	398	356
65	285	281
75	167	178
85	75	84
90	44	
95	23	27
105	10	11
115	12	12
125	16	14
135	18	14
145	20	13
155	23	10
165	22	6
175	25	2
180	26	

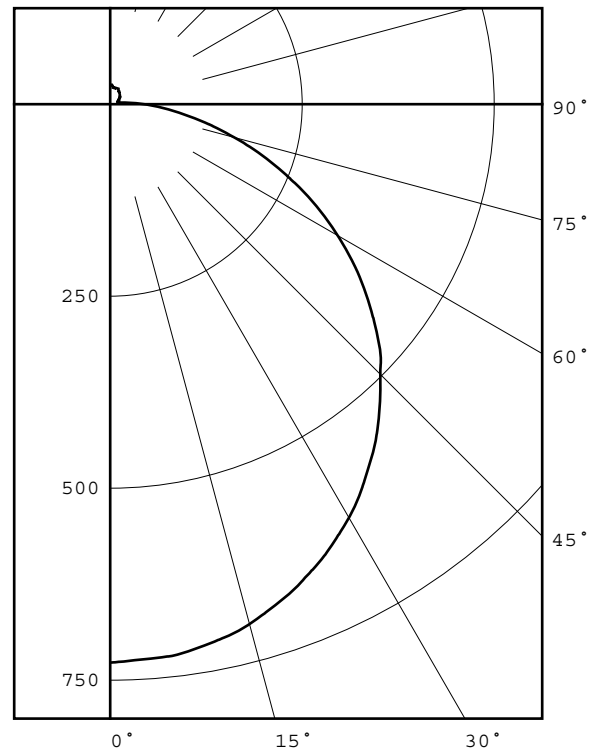
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	567	24.4
0- 40	933	40.1
0- 60	1673	72.0
0- 90	2216	95.3
90-120	50	2.1
90-130	63	2.7
90-150	89	3.8
90-180	108	4.7
0-180	2325	100.0

TOTAL INPUT WATTS = 25.035

EFFICACY = 92.9 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: 19.220  
HEIGHT OF SIDE : 3.460

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	3057.
55	2793.
65	2411.
75	1862.
85	1275.

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### CANDELA DISTRIBUTION

	0.0
0.0	727
5.0	723
10.0	715
15.0	701
20.0	679
25.0	653
30.0	622
35.0	584
40.0	543
45.0	497
50.0	451
55.0	398
60.0	342
65.0	285
70.0	225
75.0	167
80.0	116
85.0	75
90.0	44
95.0	23
100.0	12
105.0	10
110.0	11
115.0	12
120.0	13
125.0	16
130.0	17
135.0	18
140.0	19
145.0	20
150.0	22
155.0	23
160.0	23
165.0	22
170.0	22
175.0	25
180.0	26

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### ZONAL LUMEN SUMMARY

0- 5	17.
5- 10	52.
10- 15	84.
15- 20	114.
20- 25	140.
25- 30	161.
30- 35	178.
35- 40	188.
40- 45	193.
45- 50	192.
50- 55	185.
55- 60	171.
60- 65	152.
65- 70	129.
70- 75	102.
75- 80	76.
80- 85	52.
85- 90	32.
90- 95	18.
95-100	9.
100-105	5.
105-110	5.
110-115	6.
115-120	6.
120-125	7.
125-130	7.
130-135	7.
135-140	7.
140-145	6.
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	17
5- 10	52
10- 15	84
15- 20	114
20- 25	140
25- 30	161
30- 35	178
35- 40	188
40- 45	193
45- 50	192
50- 55	185
55- 60	171
60- 65	152
65- 70	129
70- 75	102
75- 80	76
80- 85	52
85- 90	32
90- 95	18
95-100	9
100-105	5
105-110	5
110-115	6
115-120	6
120-125	7
125-130	7
130-135	7
135-140	7
140-145	6
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	69
0- 20	267
0- 30	567
0- 40	933
0- 50	1318
0- 60	1673
0- 70	1954
0- 80	2132
0- 90	2216
0-100	2244
0-110	2254
0-120	2266
0-130	2280
0-140	2293
0-150	2306
0-160	2316
0-170	2322
0-180	2325

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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.