

REPORT NUMBER: PRORATED FROM RAB02117

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ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RDN

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 = 25.076 AT 120.0 VOLTS.

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

DEG	CANDELA	LUMENS
0	739	
5	735	70
15	712	201
25	664	306
35	593	372
45	506	391
55	405	362
65	289	286
75	170	181
85	77	85
90	45	
95	23	28
105	10	11
115	12	12
125	16	14
135	18	14
145	21	13
155	23	11
165	22	6
175	26	2
180	27	

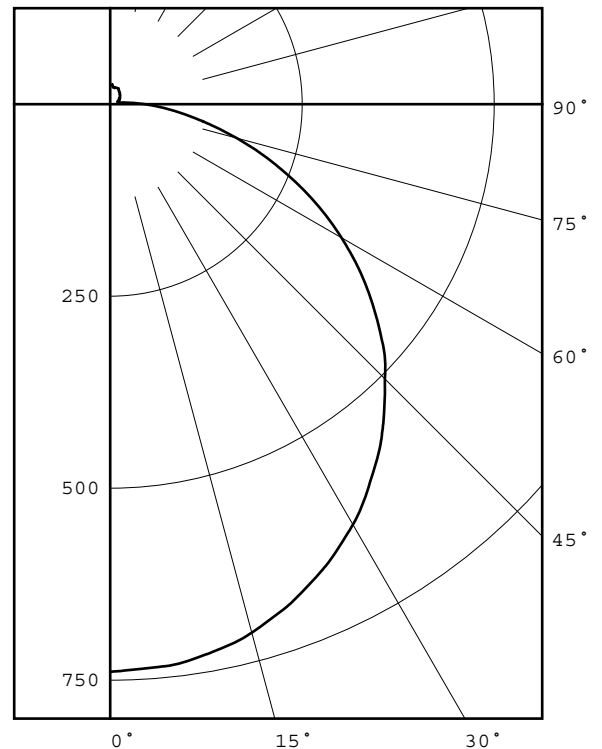
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	577	24.4
0- 40	948	40.1
0- 60	1701	72.0
0- 90	2253	95.3
90-120	51	2.1
90-130	64	2.7
90-150	91	3.8
90-180	110	4.7
0-180	2363	100.0

TOTAL INPUT WATTS = 25.076

EFFICACY = 94.2 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	3107.
55	2840.
65	2451.
75	1893.
85	1296.

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### CANDELA DISTRIBUTION

	0.0
0.0	739
5.0	735
10.0	727
15.0	712
20.0	690
25.0	664
30.0	632
35.0	593
40.0	552
45.0	506
50.0	458
55.0	405
60.0	348
65.0	289
70.0	229
75.0	170
80.0	118
85.0	77
90.0	45
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	21
150.0	22
155.0	23
160.0	23
165.0	22
170.0	22
175.0	26
180.0	27

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### ZONAL LUMEN SUMMARY

0- 5	18.
5- 10	52.
10- 15	85.
15- 20	116.
20- 25	142.
25- 30	164.
30- 35	181.
35- 40	191.
40- 45	196.
45- 50	195.
50- 55	188.
55- 60	174.
60- 65	155.
65- 70	131.
70- 75	104.
75- 80	77.
80- 85	53.
85- 90	33.
90- 95	18.
95-100	9.
100-105	6.
105-110	5.
110-115	6.
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	18
5- 10	52
10- 15	85
15- 20	116
20- 25	142
25- 30	164
30- 35	181
35- 40	191
40- 45	196
45- 50	195
50- 55	188
55- 60	174
60- 65	155
65- 70	131
70- 75	104
75- 80	77
80- 85	53
85- 90	33
90- 95	18
95-100	9
100-105	6
105-110	5
110-115	6
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	70
0- 20	271
0- 30	577
0- 40	948
0- 50	1339
0- 60	1701
0- 70	1987
0- 80	2168
0- 90	2253
0-100	2281
0-110	2292
0-120	2304
0-130	2317
0-140	2331
0-150	2344
0-160	2355
0-170	2361
0-180	2363

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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.