

REPORT NUMBER: PRORATED FROM RAB02177

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ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RY

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

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

NOTE: THIS REPORT WAS PRORATED FROM RAB02177 WHICH WAS SK21XL25RYY. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 24.818 AT 120.0 VOLTS.

LED DRIVER: RDD-MK022-MKP45-A0700

TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET

DEG	CANDELA	LUMENS
0	658	
5	656	62
15	636	179
25	592	273
35	530	332
45	451	350
55	363	325
65	262	260
75	164	175
85	87	97
90	61	
95	41	47
105	24	26
115	22	22
125	22	19
135	22	17
145	22	14
155	22	10
165	20	6
175	21	2
180	21	

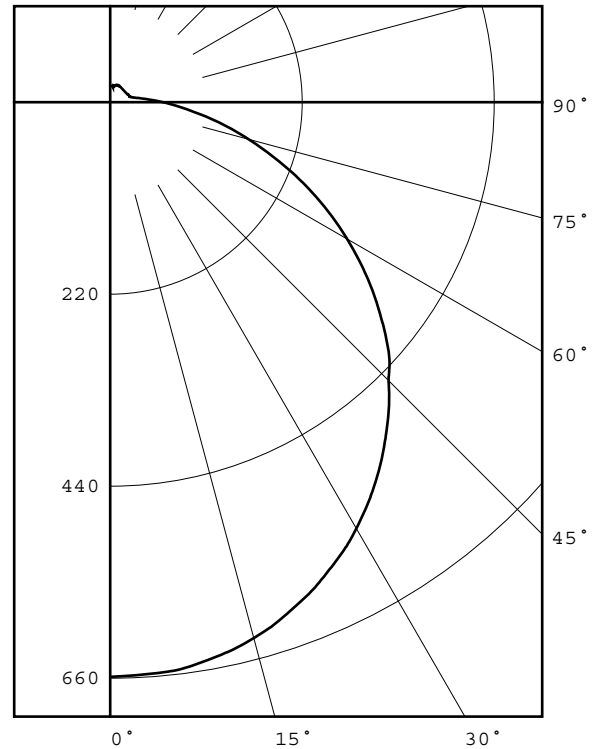
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	515	23.3
0- 40	847	38.2
0- 60	1521	68.7
0- 90	2052	92.7
90-120	95	4.3
90-130	114	5.2
90-150	145	6.5
90-180	162	7.3
0-180	2214	100.0

TOTAL INPUT WATTS = 24.818

EFFICACY = 89.2 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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LUMINOUS DIAMETER: 20.700
HEIGHT OF SIDE : 3.460

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	2423.
55	2237.
65	1964.
75	1624.
85	1335.

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CANDELA DISTRIBUTION

	0.0
0.0	658
5.0	656
10.0	649
15.0	636
20.0	616
25.0	592
30.0	564
35.0	530
40.0	492
45.0	451
50.0	411
55.0	363
60.0	313
65.0	262
70.0	212
75.0	164
80.0	123
85.0	87
90.0	61
95.0	41
100.0	29
105.0	24
110.0	23
115.0	22
120.0	22
125.0	22
130.0	22
135.0	22
140.0	22
145.0	22
150.0	22
155.0	22
160.0	21
165.0	20
170.0	17
175.0	21
180.0	21

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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	175.
50- 55	168.
55- 60	156.
60- 65	140.
65- 70	120.
70- 75	98.
75- 80	77.
80- 85	56.
85- 90	40.
90- 95	28.
95-100	19.
100-105	14.
105-110	12.
110-115	11.
115-120	11.
120-125	10.
125-130	9.
130-135	9.
135-140	8.
140-145	7.
145-150	6.
150-155	5.
155-160	4.
160-165	3.
165-170	2.
170-175	1.
175-180	0.

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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	175
50- 55	168
55- 60	156
60- 65	140
65- 70	120
70- 75	98
75- 80	77
80- 85	56
85- 90	40
90- 95	28
95-100	19
100-105	14
105-110	12
110-115	11
115-120	11
120-125	10
125-130	9
130-135	9
135-140	8
140-145	7
145-150	6
150-155	5
155-160	4
160-165	3
165-170	2
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	62
0- 20	242
0- 30	515
0- 40	847
0- 50	1196
0- 60	1521
0- 70	1781
0- 80	1956
0- 90	2052
0-100	2099
0-110	2125
0-120	2147
0-130	2167
0-140	2183
0-150	2197
0-160	2207
0-170	2212
0-180	2214

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	96	91	102	97	93	89	92	88	85	87	84	81	82	80	77	75
2	96	87	80	74	92	84	78	72	80	74	69	75	71	67	71	67	64	61
3	87	76	67	61	84	74	66	60	70	63	58	66	60	56	62	58	54	51
4	79	67	58	51	77	65	57	50	62	54	49	59	52	47	56	50	46	43
5	73	60	51	44	70	58	50	43	55	48	42	52	46	41	50	44	40	37
6	67	54	45	38	65	52	44	37	50	42	37	47	41	36	45	39	35	33
7	62	49	40	33	60	47	39	33	45	38	32	43	36	32	41	35	31	29
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	38	32	28	25
9	54	41	32	27	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	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.