

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P289486

Luminaire Tested: **4RSRK-RM-65-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-RM-65-HE-L835
Description: 4ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

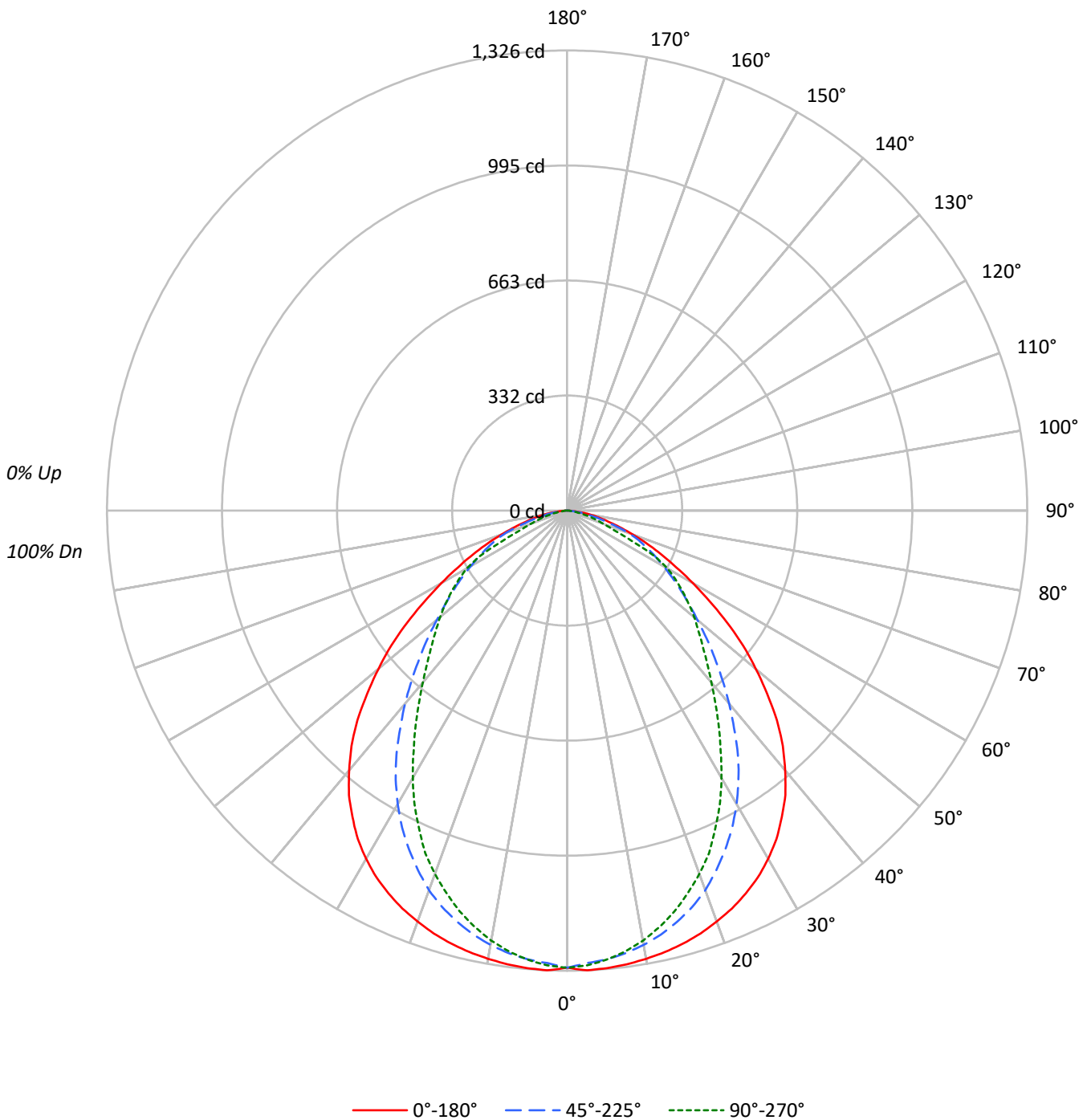
Lumens per Lamp: N/A
Luminaire Lumens: 2796.3 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3545	3545	3545
5°	3575	3507	3510
10°	3584	3473	3438
15°	3599	3416	3331
20°	3608	3334	3190
25°	3615	3200	3000
30°	3600	3035	2765
35°	3543	2820	2502
40°	3433	2551	2271
45°	3253	2289	2101
50°	2973	2051	2002
55°	2639	1874	1905
60°	2251	1727	1797
65°	1901	1617	1283
70°	1571	1471	870
75°	1273	1081	682
80°	1057	772	420
85°	729	324	284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	4.4
10°-20°	348.3	12.5
20°-30°	504.4	18.0
30°-40°	553.7	19.8
40°-50°	500.2	17.9
50°-60°	390.0	13.9
60°-70°	246.9	8.8
70°-80°	108.1	3.9
80°-90°	20.7	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	976.7	34.9
0°-40°	1530.3	54.7
0°-60°	2420.6	86.6
0°-90°	2796.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1323	1315	1298	1305	1299	126
15°	1292	1268	1226	1212	1196	365
25°	1218	1164	1078	1037	1010	561
35°	1079	982	858	790	762	673
45°	855	719	601	566	552	655
55°	562	451	399	405	406	503
65°	298	248	254	243	202	299
75°	122	126	104	75	66	134
85°	24	22	10	10	9	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317.2	1317.2	1317.2	1317.2	1317.2
2.5°	1326.0	1318.5	1305.4	1315.5	1312.0
5°	1323.3	1314.6	1298.4	1305.4	1299.3
7.5°	1318.5	1308.0	1286.6	1288.8	1281.4
10°	1311.5	1297.5	1270.9	1268.3	1258.2
12.5°	1302.8	1284.0	1251.2	1242.0	1228.9
15°	1291.9	1267.8	1226.3	1211.5	1195.7
17.5°	1277.9	1247.3	1197.9	1173.9	1155.9
20°	1260.0	1223.3	1164.3	1132.8	1114.0
22.5°	1241.2	1195.7	1122.3	1089.5	1068.5
25°	1217.6	1164.3	1077.7	1037.1	1010.4
27.5°	1190.9	1128.0	1029.6	979.4	952.7
30°	1158.6	1085.6	976.8	916.5	889.8
32.5°	1122.7	1037.5	919.1	854.8	823.8
35°	1078.6	982.0	858.3	789.7	761.7
37.5°	1033.1	922.1	790.2	726.3	702.3
40°	977.2	858.8	726.3	667.8	646.4
42.5°	920.0	788.4	662.5	614.0	596.5
45°	854.8	719.4	601.4	565.5	552.0
47.5°	781.8	650.7	545.0	522.7	513.1
50°	710.2	582.1	489.9	481.2	478.1
52.5°	638.9	514.8	442.3	443.2	441.4
55°	562.5	451.0	399.4	405.1	406.0
57.5°	486.4	390.3	359.2	369.7	370.6
60°	418.2	338.3	320.8	333.5	333.9
62.5°	355.3	289.8	285.8	298.1	283.6
65°	298.5	248.2	253.9	243.0	201.5
67.5°	247.8	213.7	222.9	170.0	142.9
70°	199.7	180.1	187.0	126.7	110.6
72.5°	157.8	152.1	141.6	98.8	86.1
75°	122.4	125.9	104.0	74.7	65.6
77.5°	93.5	102.3	75.6	53.8	45.0
80°	68.2	76.5	49.8	32.3	27.1
82.5°	45.0	48.1	26.2	16.6	14.4
85°	23.6	22.3	10.5	9.6	9.2
87.5°	10.1	5.7	5.2	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)