

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: P289565

Luminaire Tested: **8RSRK-RM-65-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289565
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: 8RSRK-RM-65-HE-L835
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

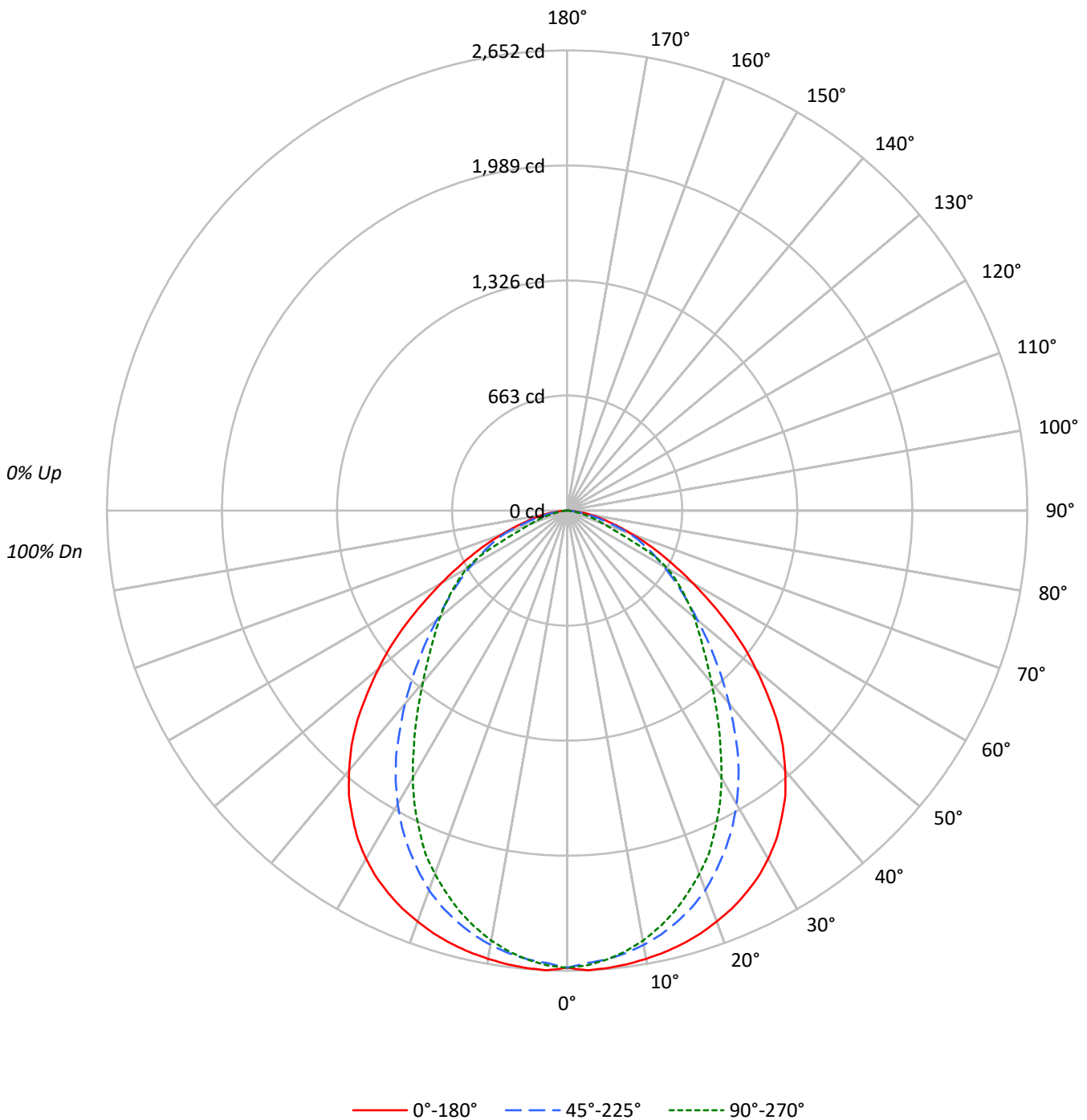
Lumens per Lamp: N/A
Luminaire Lumens: 5592.7 lumens
Efficiency: N/A
Efficacy: 295.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	2552	2271
45°	3253	2289	2101
50°	2973	2051	2002
55°	2639	1874	1905
60°	2251	1727	1797
65°	1901	1617	1283
70°	1571	1472	870
75°	1272	1081	682
80°	1057	772	420
85°	729	324	284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	4.4
10°-20°	696.6	12.5
20°-30°	1008.9	18.0
30°-40°	1107.3	19.8
40°-50°	1000.5	17.9
50°-60°	780.1	13.9
60°-70°	493.8	8.8
70°-80°	216.2	3.9
80°-90°	41.5	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°	1953.3	34.9
0°-40°	3060.6	54.7
0°-60°	4841.2	86.6
0°-90°	5592.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5592.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2647	2629	2597	2611	2599	252
15°	2584	2536	2453	2423	2391	730
25°	2435	2328	2155	2074	2021	1122
35°	2157	1964	1717	1579	1524	1347
45°	1710	1439	1203	1131	1104	1311
55°	1125	902	799	810	812	1005
65°	597	496	508	486	403	598
75°	245	252	208	150	131	267
85°	47	45	21	19	18	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2634.4	2634.4	2634.4	2634.4	2634.4
2.5°	2651.9	2637.1	2610.8	2630.9	2623.9
5°	2646.7	2629.2	2596.8	2610.8	2598.6
7.5°	2637.1	2616.1	2573.2	2577.6	2562.8
10°	2623.1	2595.1	2541.8	2536.5	2516.4
12.5°	2605.6	2568.0	2502.4	2484.1	2457.9
15°	2583.7	2535.7	2452.6	2422.9	2391.4
17.5°	2555.8	2494.6	2395.8	2347.7	2311.9
20°	2519.9	2446.5	2328.5	2265.6	2228.0
22.5°	2482.3	2391.4	2244.6	2179.0	2137.1
25°	2435.1	2328.5	2155.4	2074.2	2020.8
27.5°	2381.8	2256.0	2059.3	1958.8	1905.5
30°	2317.1	2171.2	1953.5	1832.9	1779.6
32.5°	2245.5	2075.0	1838.2	1709.7	1647.6
35°	2157.2	1964.0	1716.7	1579.4	1523.5
37.5°	2066.3	1844.3	1580.3	1452.7	1404.6
40°	1954.4	1717.5	1452.7	1335.6	1292.7
42.5°	1839.9	1576.8	1325.1	1228.1	1193.1
45°	1709.7	1438.7	1202.7	1131.0	1103.9
47.5°	1563.7	1301.5	1090.0	1045.4	1026.2
50°	1420.4	1164.3	979.8	962.3	956.2
52.5°	1277.9	1029.6	884.6	886.3	882.8
55°	1124.9	902.0	798.9	810.3	812.0
57.5°	972.8	780.5	718.5	739.5	741.2
60°	836.5	676.5	641.6	666.9	667.8
62.5°	710.6	579.5	571.6	596.1	567.3
65°	597.0	496.5	507.8	486.0	402.9
67.5°	495.6	427.4	445.8	340.0	285.8
70°	399.4	360.1	374.1	253.5	221.1
72.5°	315.5	304.2	283.2	197.5	172.2
75°	244.7	251.7	208.0	149.5	131.1
77.5°	187.0	204.5	151.2	107.5	90.0
80°	136.4	153.0	99.6	64.7	54.2
82.5°	90.0	96.1	52.4	33.2	28.8
85°	47.2	44.6	21.0	19.2	18.4
87.5°	20.1	11.4	10.5	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)