

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: P289542

Luminaire Tested: **6RSRK-RM-150-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289542
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: 6RSRK-RM-150-HE-L835
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

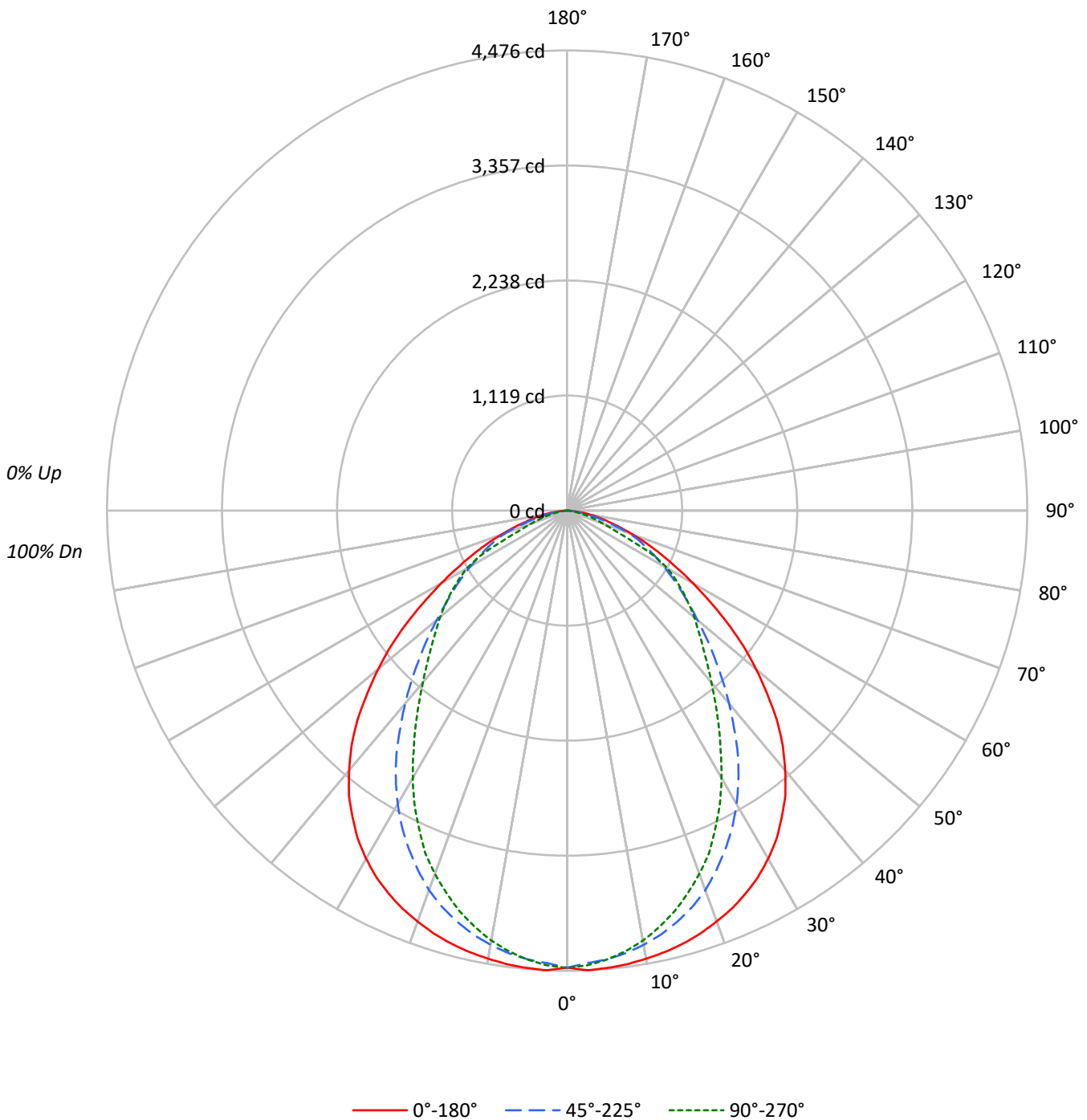
Lumens per Lamp: N/A
Luminaire Lumens: 9438.4 lumens
Efficiency: N/A
Efficacy: 213.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7976	7976	7976
5°	8044	7892	7898
10°	8064	7814	7736
15°	8098	7687	7496
20°	8119	7502	7178
25°	8135	7200	6751
30°	8101	6830	6221
35°	7973	6345	5631
40°	7724	5741	5109
45°	7320	5150	4727
50°	6690	4615	4504
55°	5938	4217	4286
60°	5065	3885	4044
65°	4277	3638	2887
70°	3536	3311	1958
75°	2863	2434	1534
80°	2377	1738	945
85°	1641	729	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.3	4.4
10°-20°	1175.6	12.5
20°-30°	1702.6	18.0
30°-40°	1868.7	19.8
40°-50°	1688.4	17.9
50°-60°	1316.5	13.9
60°-70°	833.4	8.8
70°-80°	364.9	3.9
80°-90°	70.0	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°	3296.5	34.9
0°-40°	5165.2	54.7
0°-60°	8170.2	86.6
0°-90°	9438.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9438.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4446	4446	4446	4446	4446	
5°	4467	4437	4382	4406	4386	425
15°	4360	4279	4139	4089	4036	1231
25°	4110	3930	3638	3500	3410	1893
35°	3641	3315	2897	2666	2571	2273
45°	2885	2428	2030	1909	1863	2212
55°	1898	1522	1348	1367	1370	1696
65°	1008	838	857	820	680	1009
75°	413	425	351	252	221	451
85°	80	75	35	32	31	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4446.0	4446.0	4446.0	4446.0	4446.0
2.5°	4475.5	4450.4	4406.1	4440.1	4428.3
5°	4466.6	4437.1	4382.5	4406.1	4385.5
7.5°	4450.4	4415.0	4342.7	4350.1	4325.0
10°	4426.8	4379.6	4289.6	4280.8	4246.8
12.5°	4397.3	4333.9	4223.2	4192.2	4148.0
15°	4360.4	4279.3	4139.1	4089.0	4035.9
17.5°	4313.2	4209.9	4043.3	3962.1	3901.7
20°	4252.7	4128.8	3929.7	3823.5	3760.0
22.5°	4189.3	4035.9	3788.1	3677.4	3606.6
25°	4109.6	3929.7	3637.6	3500.4	3410.4
27.5°	4019.7	3807.2	3475.3	3305.7	3215.7
30°	3910.5	3664.2	3296.9	3093.3	3003.3
32.5°	3789.5	3501.9	3102.1	2885.3	2780.6
35°	3640.6	3314.6	2897.1	2665.5	2571.1
37.5°	3487.1	3112.5	2667.0	2451.6	2370.5
40°	3298.3	2898.6	2451.6	2254.0	2181.7
42.5°	3105.1	2661.1	2236.3	2072.5	2013.5
45°	2885.3	2428.0	2029.7	1908.8	1863.1
47.5°	2639.0	2196.4	1839.5	1764.2	1731.8
50°	2397.0	1964.8	1653.6	1624.1	1613.8
52.5°	2156.6	1737.7	1492.8	1495.8	1489.9
55°	1898.5	1522.3	1348.2	1367.4	1370.4
57.5°	1641.8	1317.3	1212.5	1247.9	1250.9
60°	1411.7	1141.7	1082.7	1125.5	1127.0
62.5°	1199.3	978.0	964.7	1006.0	957.3
65°	1007.5	837.9	857.0	820.2	680.0
67.5°	836.4	721.3	752.3	573.8	482.4
70°	674.1	607.7	631.3	427.8	373.2
72.5°	532.5	513.3	477.9	333.4	290.6
75°	413.0	424.8	351.1	252.2	221.3
77.5°	315.7	345.2	255.2	181.4	151.9
80°	230.1	258.1	168.2	109.2	91.5
82.5°	151.9	162.3	88.5	56.1	48.7
85°	79.7	75.2	35.4	32.5	31.0
87.5°	33.9	19.2	17.7	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)