

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: P289539

Luminaire Tested: **6RSRK-RM-150-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289539
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-L940
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

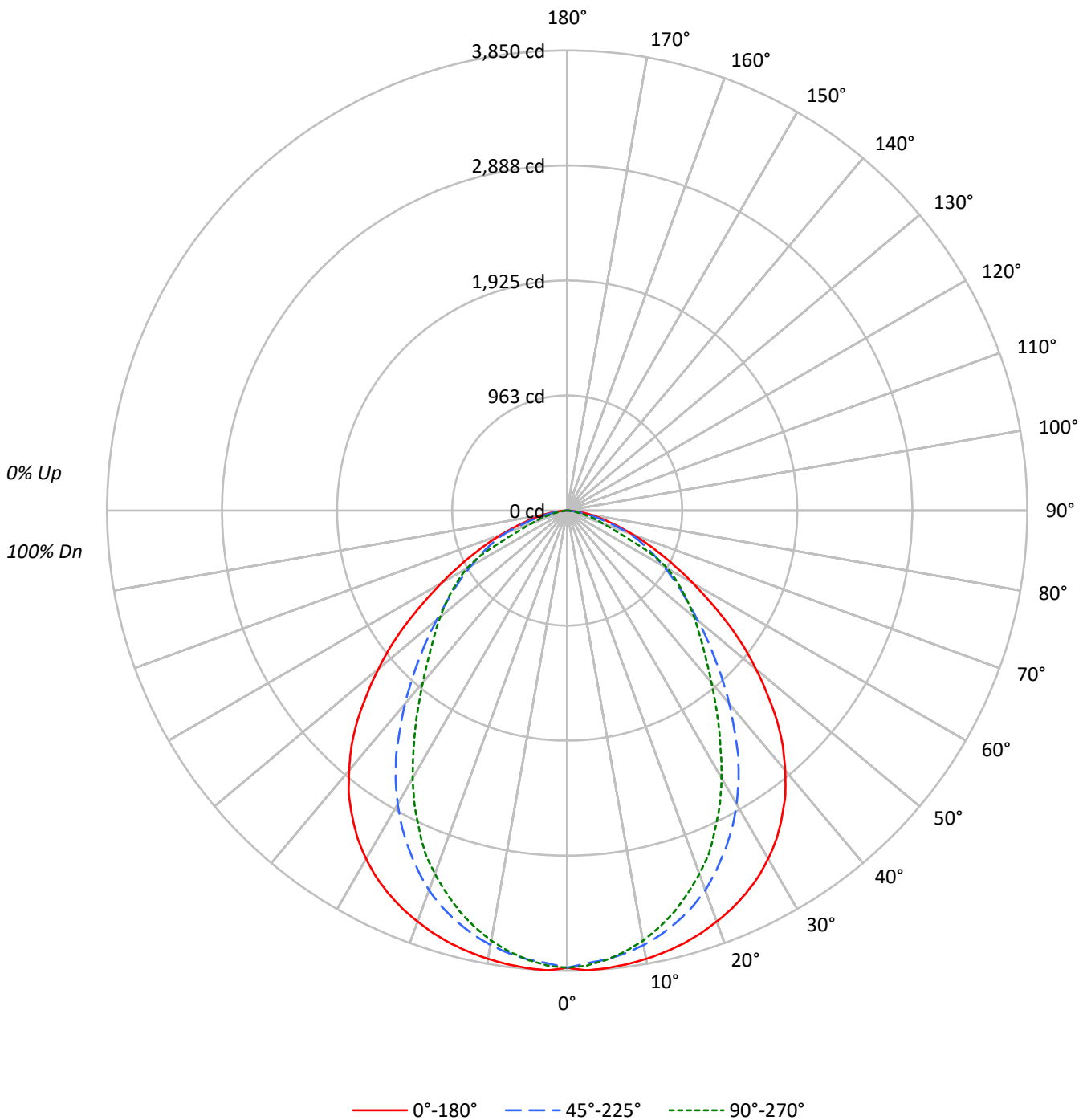
Lumens per Lamp: N/A
Luminaire Lumens: 8120.3 lumens
Efficiency: N/A
Efficacy: 183.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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°	6862	6862	6862
5°	6920	6790	6795
10°	6938	6723	6656
15°	6968	6614	6449
20°	6985	6455	6176
25°	6999	6195	5808
30°	6969	5876	5353
35°	6859	5459	4844
40°	6646	4939	4396
45°	6298	4431	4067
50°	5756	3971	3875
55°	5109	3628	3688
60°	4358	3342	3479
65°	3680	3130	2484
70°	3042	2849	1684
75°	2463	2093	1320
80°	2046	1495	813
85°	1410	628	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.9	4.4
10°-20°	1011.4	12.5
20°-30°	1464.8	18.0
30°-40°	1607.8	19.8
40°-50°	1452.6	17.9
50°-60°	1132.7	13.9
60°-70°	717.0	8.8
70°-80°	313.9	3.9
80°-90°	60.2	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°	2836.1	34.9
0°-40°	4443.9	54.7
0°-60°	7029.2	86.6
0°-90°	8120.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8120.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3825	3825	3825	3825	3825	
5°	3843	3818	3770	3791	3773	366
15°	3752	3682	3561	3518	3472	1059
25°	3536	3381	3130	3012	2934	1629
35°	3132	2852	2492	2293	2212	1956
45°	2482	2089	1746	1642	1603	1903
55°	1633	1310	1160	1176	1179	1459
65°	867	721	737	706	585	868
75°	355	366	302	217	190	388
85°	68	65	30	28	27	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3825.1	3825.1	3825.1	3825.1	3825.1
2.5°	3850.5	3828.9	3790.8	3820.0	3809.8
5°	3842.8	3817.5	3770.5	3790.8	3773.0
7.5°	3828.9	3798.4	3736.2	3742.6	3721.0
10°	3808.6	3768.0	3690.5	3682.9	3653.7
12.5°	3783.2	3728.6	3633.4	3606.8	3568.7
15°	3751.5	3681.7	3561.1	3517.9	3472.3
17.5°	3710.9	3622.0	3478.6	3408.8	3356.8
20°	3658.8	3552.2	3380.9	3289.5	3234.9
22.5°	3604.2	3472.3	3259.1	3163.9	3103.0
25°	3535.7	3380.9	3129.6	3011.6	2934.2
27.5°	3458.3	3275.5	2990.0	2844.1	2766.6
30°	3364.4	3152.4	2836.4	2661.3	2583.9
32.5°	3260.3	3012.8	2668.9	2482.4	2392.3
35°	3132.1	2851.7	2492.5	2293.3	2212.0
37.5°	3000.2	2677.8	2294.5	2109.2	2039.4
40°	2837.7	2493.8	2109.2	1939.2	1877.0
42.5°	2671.5	2289.5	1924.0	1783.1	1732.3
45°	2482.4	2088.9	1746.3	1642.2	1602.9
47.5°	2270.4	1889.7	1582.6	1517.8	1489.9
50°	2062.3	1690.4	1422.7	1397.3	1388.4
52.5°	1855.4	1495.0	1284.3	1286.9	1281.8
55°	1633.3	1309.7	1160.0	1176.5	1179.0
57.5°	1412.5	1133.3	1043.2	1073.7	1076.2
60°	1214.5	982.3	931.5	968.3	969.6
62.5°	1031.8	841.4	830.0	865.5	823.6
65°	866.8	720.8	737.3	705.6	585.1
67.5°	719.6	620.6	647.2	493.7	415.0
70°	580.0	522.9	543.2	368.0	321.1
72.5°	458.1	441.6	411.2	286.8	250.0
75°	355.3	365.5	302.0	217.0	190.4
77.5°	271.6	297.0	219.6	156.1	130.7
80°	198.0	222.1	144.7	93.9	78.7
82.5°	130.7	139.6	76.1	48.2	41.9
85°	68.5	64.7	30.5	27.9	26.7
87.5°	29.2	16.5	15.2	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)