

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: P#

Luminaire Tested: **6RSRK-TS-50-HE-L850**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-50-HE-L850
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

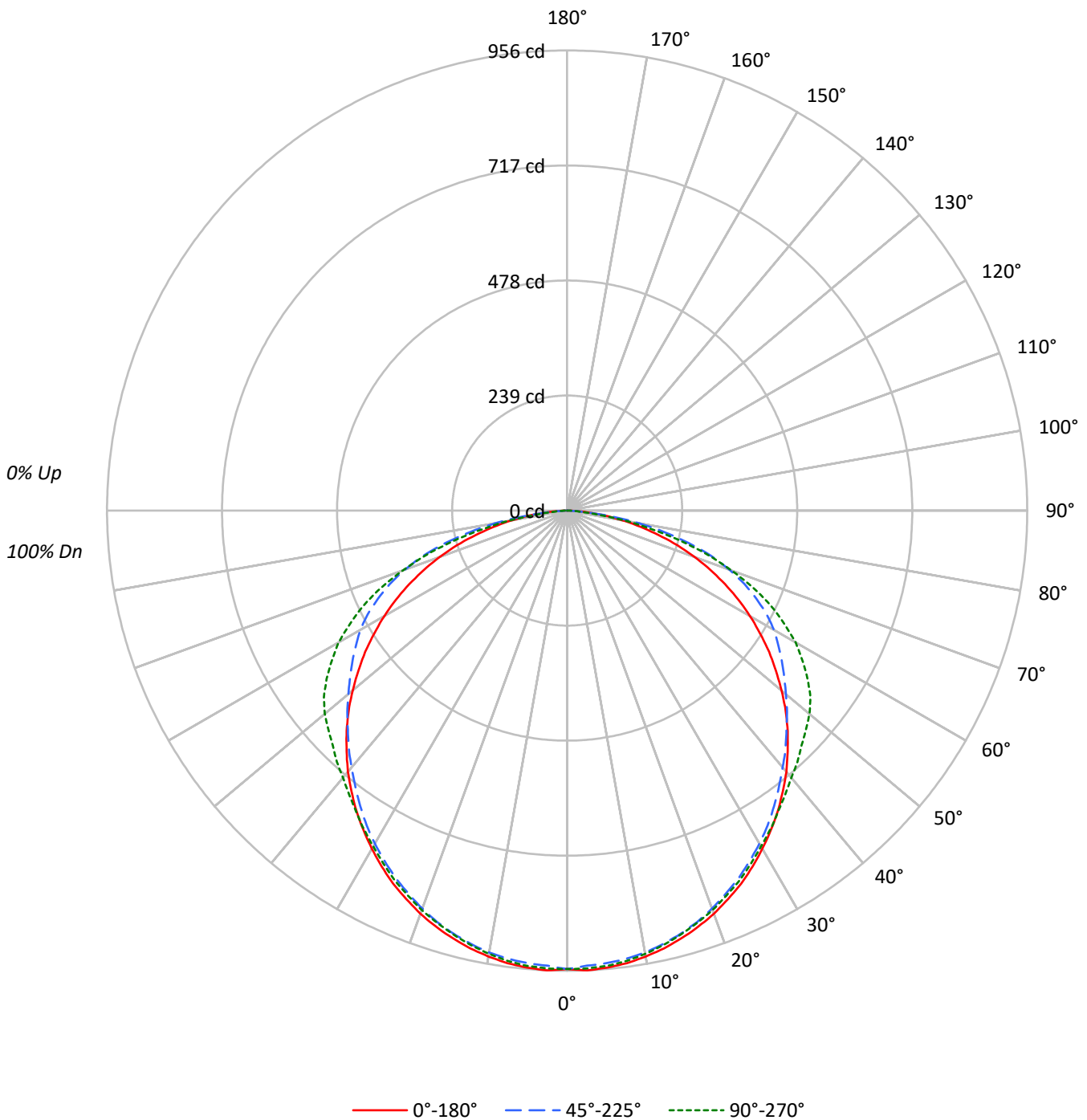
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2932.6 lumens
Efficiency: N/A
Efficacy: 205.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83				
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68				
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56				
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48				
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36				
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31				
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28				
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25				
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1709	1709	1709
5°	1716	1700	1710
10°	1714	1699	1703
15°	1708	1691	1694
20°	1702	1680	1686
25°	1693	1668	1678
30°	1681	1655	1669
35°	1671	1642	1673
40°	1659	1632	1696
45°	1644	1635	1748
50°	1623	1656	1834
55°	1602	1703	1908
60°	1574	1781	1967
65°	1535	1841	1982
70°	1477	1881	1905
75°	1361	1820	1702
80°	1205	1566	1306
85°	867	792	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.1
10°-20°	258.1	8.8
20°-30°	390.9	13.3
30°-40°	474.1	16.2
40°-50°	507.2	17.3
50°-60°	491.6	16.8
60°-70°	411.7	14.0
70°-80°	253.0	8.6
80°-90°	55.9	1.9
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°	739.2	25.2
0°-40°	1213.3	41.4
0°-60°	2212.1	75.4
0°-90°	2932.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2932.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	953	951	944	950	950	91
15°	920	918	910	914	912	260
25°	855	850	843	848	848	394
35°	763	753	750	762	764	477
45°	648	634	644	677	689	500
55°	512	498	545	599	610	457
65°	362	360	434	463	467	358
75°	196	229	262	251	246	209
85°	42	56	38	27	25	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.5	952.5	952.5	952.5	952.5
2.5°	956.1	953.6	946.4	952.5	952.0
5°	953.1	951.0	943.8	950.0	949.5
7.5°	948.4	946.4	939.2	945.3	943.8
10°	940.7	939.2	932.5	937.1	935.1
12.5°	931.5	929.9	922.2	927.4	924.8
15°	919.7	917.6	910.4	914.5	912.0
17.5°	906.3	903.7	896.5	900.7	898.1
20°	891.4	887.8	880.1	885.8	883.2
22.5°	873.4	870.9	861.6	867.8	865.2
25°	855.4	850.3	842.6	848.2	847.7
27.5°	833.9	828.7	821.0	827.7	826.7
30°	811.3	805.6	798.9	805.6	805.6
32.5°	787.6	780.4	775.3	783.0	785.6
35°	763.0	753.2	749.6	762.4	764.0
37.5°	735.7	726.0	722.9	739.8	743.9
40°	708.5	696.2	696.7	718.3	724.4
42.5°	678.2	665.9	671.5	696.7	708.0
45°	647.9	634.0	644.3	677.2	689.0
47.5°	616.0	602.7	619.6	658.1	673.0
50°	581.6	568.2	593.4	640.2	657.1
52.5°	546.7	532.8	568.2	621.7	637.1
55°	512.2	498.4	544.6	598.6	609.9
57.5°	475.2	463.4	519.9	568.2	579.5
60°	438.8	428.5	496.3	537.4	548.2
62.5°	401.3	393.6	467.5	502.0	508.1
65°	361.7	359.6	433.6	462.9	467.0
67.5°	322.1	327.3	398.7	417.7	418.2
70°	281.5	295.4	358.6	366.8	363.2
72.5°	240.4	264.6	314.4	310.3	307.2
75°	196.3	229.1	262.5	251.2	245.6
77.5°	156.2	193.2	207.1	191.1	182.4
80°	116.6	152.6	151.6	131.0	126.4
82.5°	78.6	106.4	90.9	74.0	64.7
85°	42.1	56.5	38.5	26.7	25.2
87.5°	15.9	13.4	10.3	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)