

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-TB-50-HE-L830**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-50-HE-L830
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

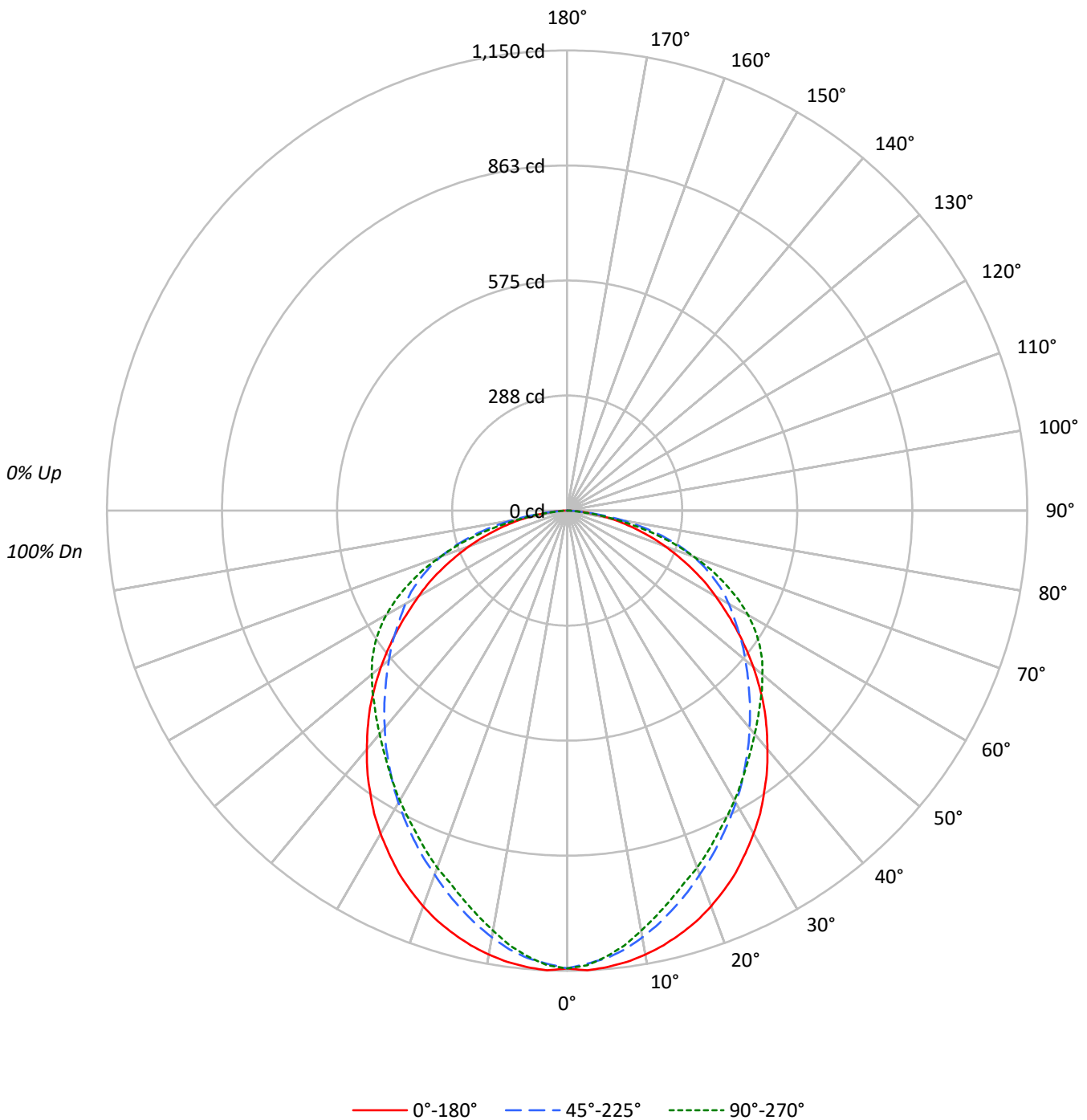
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2992.8 lumens
Efficiency: N/A
Efficacy: 209.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2052	2052	2052
5°	2062	2022	2015
10°	2052	1973	1942
15°	2034	1912	1867
20°	2009	1848	1813
25°	1975	1796	1763
30°	1931	1747	1733
35°	1880	1699	1709
40°	1823	1660	1707
45°	1767	1632	1730
50°	1695	1621	1778
55°	1614	1632	1838
60°	1538	1673	1875
65°	1463	1726	1858
70°	1367	1762	1767
75°	1228	1710	1582
80°	1074	1452	1176
85°	807	768	496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.6
10°-20°	293.4	9.8
20°-30°	426.8	14.3
30°-40°	499.2	16.7
40°-50°	513.1	17.1
50°-60°	477.4	16.0
60°-70°	388.3	13.0
70°-80°	235.2	7.9
80°-90°	52.7	1.8
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°	826.8	27.6
0°-40°	1326.0	44.3
0°-60°	2316.6	77.4
0°-90°	2992.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1145	1138	1123	1125	1119	109
15°	1095	1072	1029	1014	1005	309
25°	998	956	907	898	890	459
35°	858	813	776	781	780	537
45°	696	652	643	672	682	536
55°	516	488	522	575	588	462
65°	345	338	406	439	438	341
75°	177	211	247	236	228	190
85°	39	54	37	27	24	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1144.1	1144.1	1144.1	1144.1	1144.1
2.5°	1150.1	1144.8	1133.5	1139.9	1137.3
5°	1145.2	1138.4	1123.0	1125.2	1119.2
7.5°	1138.0	1128.2	1106.0	1101.5	1096.2
10°	1126.7	1112.4	1083.0	1075.9	1066.1
12.5°	1112.8	1094.3	1057.4	1044.6	1035.6
15°	1095.1	1071.7	1029.2	1013.7	1005.0
17.5°	1075.9	1046.9	999.8	984.0	974.9
20°	1052.1	1019.0	968.1	954.9	949.7
22.5°	1025.8	987.7	938.7	927.1	921.0
25°	997.9	955.7	907.1	898.1	890.5
27.5°	965.1	922.2	875.1	868.7	863.4
30°	932.3	888.3	843.4	838.9	836.7
32.5°	897.7	849.8	810.3	809.5	808.4
35°	858.5	812.9	776.0	780.9	780.5
37.5°	820.5	773.8	743.6	752.3	754.2
40°	778.6	733.1	709.0	723.6	728.9
42.5°	737.6	693.9	676.6	696.5	705.2
45°	696.5	651.7	643.4	671.7	681.8
47.5°	651.7	611.4	612.1	648.3	660.4
50°	607.2	569.6	580.9	623.1	637.0
52.5°	561.3	528.9	552.6	598.6	614.4
55°	516.1	487.8	521.7	574.9	587.7
57.5°	470.9	448.3	493.5	544.3	557.1
60°	428.7	409.1	466.4	512.7	522.5
62.5°	388.4	372.6	439.6	478.0	482.9
65°	344.7	338.3	406.5	438.9	437.7
67.5°	301.7	303.2	372.6	393.7	391.8
70°	260.7	272.7	336.0	344.7	336.8
72.5°	218.5	241.1	293.5	292.7	284.8
75°	177.1	210.6	246.7	235.8	228.3
77.5°	141.3	177.8	195.9	180.8	168.8
80°	104.0	142.4	140.5	123.6	113.8
82.5°	68.2	99.1	87.0	70.1	65.5
85°	39.2	53.9	37.3	27.1	24.1
87.5°	16.6	14.3	9.4	8.7	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)