

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-150-HE-L950**

Issue Date: 3/3/2020



**Test Information**

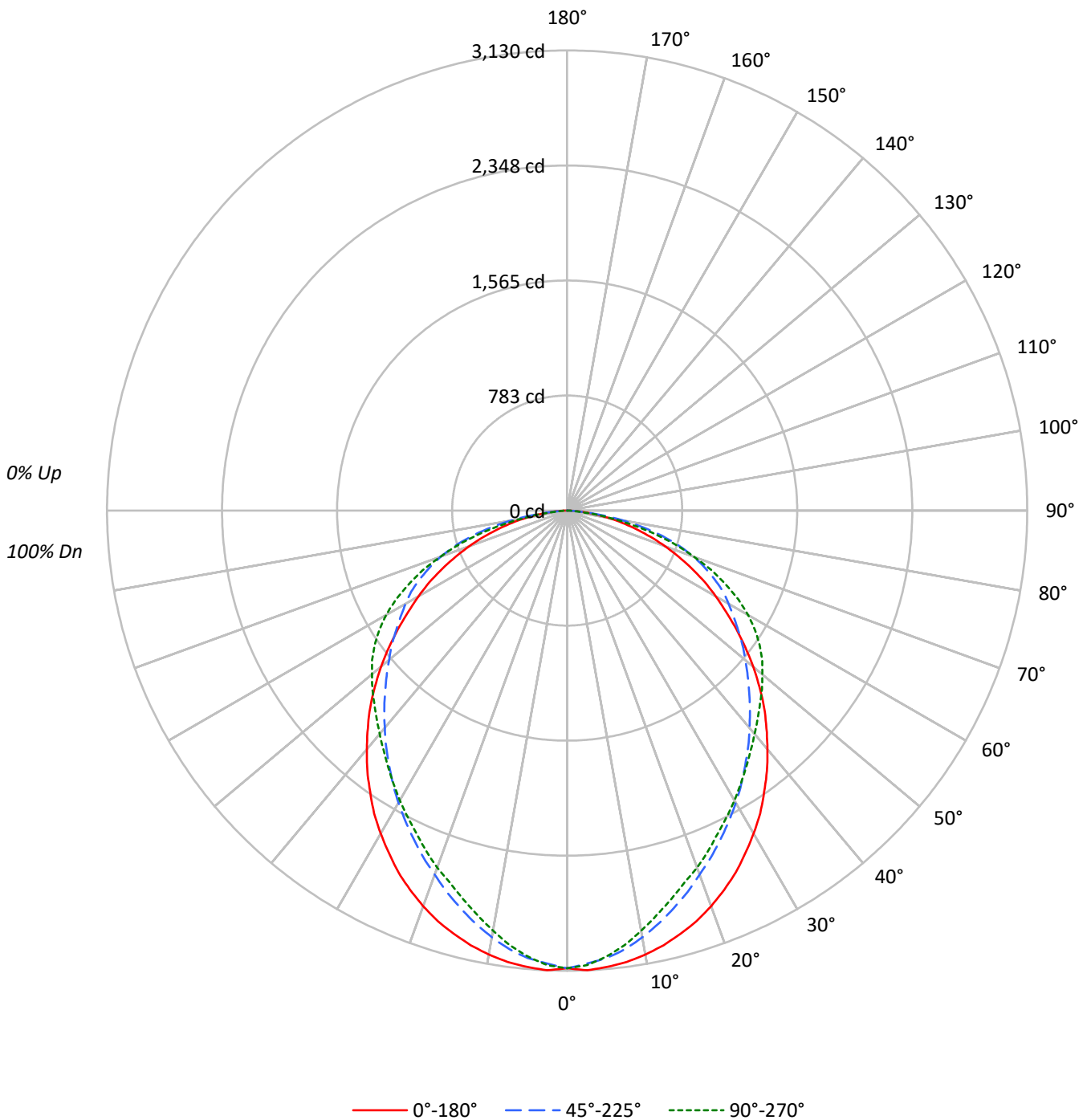
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-150-HE-L950  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8144.2 lumens  
Efficiency: N/A  
Efficacy: 184.3 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): 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	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°	5585	5585	5585
5°	5612	5503	5485
10°	5585	5369	5285
15°	5535	5201	5080
20°	5466	5030	4934
25°	5375	4886	4797
30°	5256	4755	4716
35°	5117	4625	4652
40°	4962	4518	4645
45°	4809	4442	4708
50°	4612	4412	4838
55°	4393	4441	5002
60°	4186	4553	5101
65°	3982	4695	5057
70°	3721	4796	4807
75°	3340	4654	4306
80°	2923	3951	3199
85°	2194	2089	1350



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.2	3.6
10°-20°	798.4	9.8
20°-30°	1161.5	14.3
30°-40°	1358.5	16.7
40°-50°	1396.4	17.1
50°-60°	1299.1	16.0
60°-70°	1056.7	13.0
70°-80°	640.1	7.9
80°-90°	143.4	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°	2250.0	27.6
0°-40°	3608.5	44.3
0°-60°	6304.0	77.4
0°-90°	8144.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8144.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3113	3113	3113	3113	3113	
5°	3116	3098	3056	3062	3046	296
15°	2980	2916	2801	2759	2735	840
25°	2716	2601	2468	2444	2423	1249
35°	2336	2212	2112	2125	2124	1462
45°	1895	1774	1751	1828	1856	1459
55°	1404	1328	1420	1564	1599	1257
65°	938	921	1106	1194	1191	929
75°	482	573	672	642	621	516
85°	107	147	102	74	66	130
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3113.3	3113.3	3113.3	3113.3	3113.3
2.5°	3129.7	3115.3	3084.6	3102.0	3094.8
5°	3116.4	3097.9	3055.9	3062.0	3045.6
7.5°	3096.9	3070.2	3009.8	2997.5	2983.1
10°	3066.1	3027.2	2947.2	2927.7	2901.1
12.5°	3028.2	2978.0	2877.5	2842.7	2818.1
15°	2980.0	2916.5	2800.6	2758.6	2735.0
17.5°	2927.7	2848.8	2720.7	2677.6	2653.0
20°	2863.2	2773.0	2634.6	2598.7	2584.3
22.5°	2791.4	2687.9	2554.6	2522.8	2506.4
25°	2715.5	2600.7	2468.5	2443.9	2423.4
27.5°	2626.4	2509.5	2381.4	2363.9	2349.6
30°	2537.2	2417.2	2295.2	2282.9	2276.8
32.5°	2442.9	2312.7	2205.0	2203.0	2199.9
35°	2336.3	2212.2	2111.7	2125.1	2124.1
37.5°	2232.7	2105.6	2023.6	2047.2	2052.3
40°	2118.9	1994.9	1929.3	1969.3	1983.6
42.5°	2007.2	1888.3	1841.1	1895.4	1919.0
45°	1895.4	1773.5	1750.9	1827.8	1855.5
47.5°	1773.5	1663.8	1665.8	1764.2	1797.0
50°	1652.5	1550.0	1580.7	1695.6	1733.5
52.5°	1527.4	1439.3	1503.9	1628.9	1672.0
55°	1404.4	1327.5	1419.8	1564.3	1599.2
57.5°	1281.4	1219.9	1342.9	1481.3	1516.2
60°	1166.6	1113.3	1269.1	1395.2	1421.8
62.5°	1056.9	1013.8	1196.3	1300.9	1314.2
65°	938.0	920.6	1106.1	1194.3	1191.2
67.5°	821.1	825.2	1013.8	1071.3	1066.1
70°	709.4	742.2	914.4	938.0	916.5
72.5°	594.6	656.1	798.6	796.5	775.0
75°	481.8	573.0	671.5	641.7	621.2
77.5°	384.4	483.9	533.1	492.1	459.3
80°	282.9	387.5	382.4	336.2	309.6
82.5°	185.5	269.6	236.8	190.7	178.4
85°	106.6	146.6	101.5	73.8	65.6
87.5°	45.1	39.0	25.6	23.6	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)