

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-L840**

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-L840
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

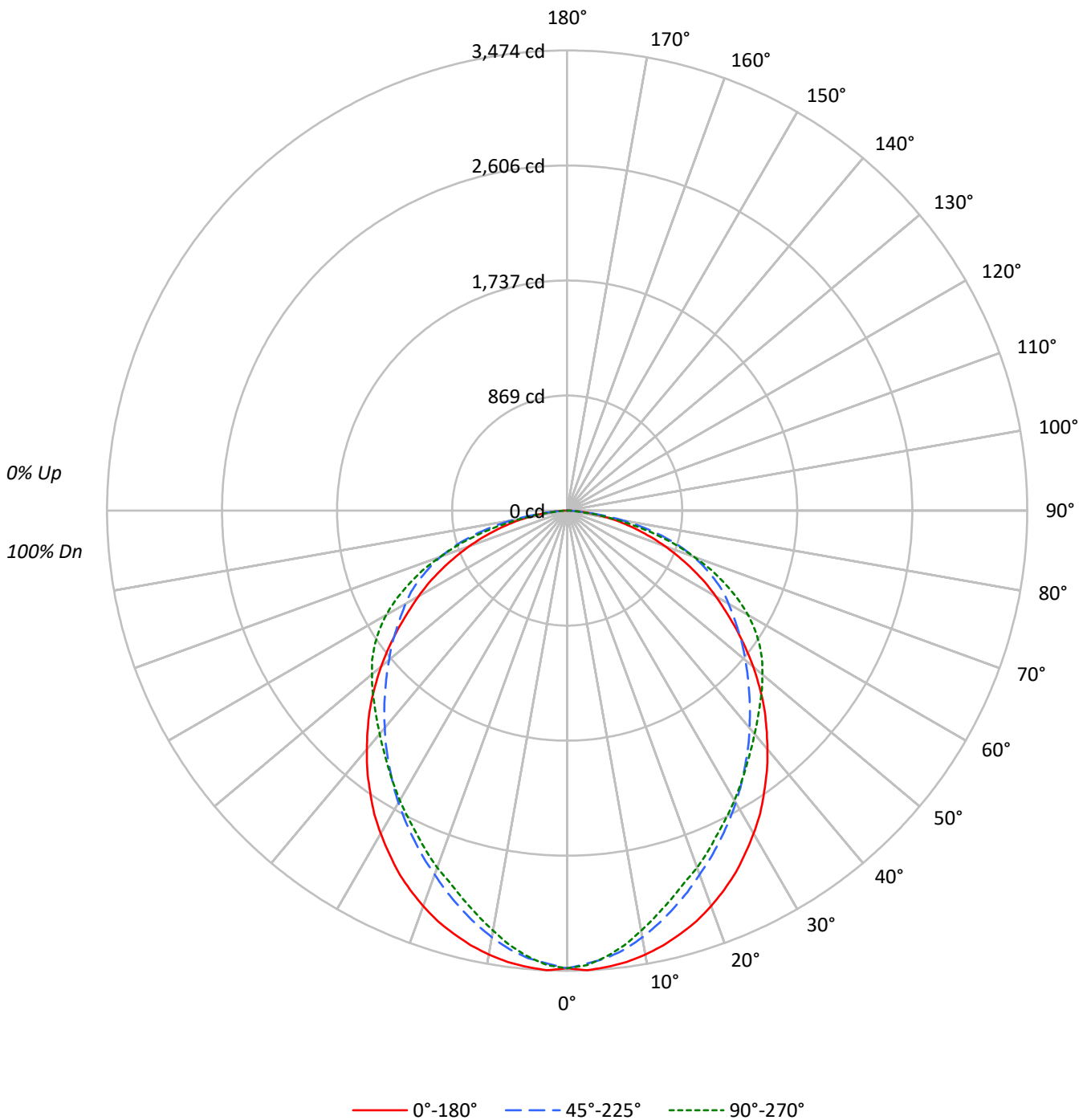
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9039.0 lumens
Efficiency: N/A
Efficacy: 204.5 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6199	6199	6199
5°	6229	6108	6087
10°	6199	5959	5866
15°	6143	5773	5638
20°	6067	5582	5476
25°	5966	5423	5324
30°	5833	5277	5235
35°	5679	5133	5163
40°	5507	5015	5156
45°	5337	4930	5225
50°	5119	4896	5370
55°	4875	4929	5551
60°	4646	5054	5662
65°	4419	5211	5612
70°	4130	5323	5335
75°	3706	5165	4779
80°	3244	4385	3550
85°	2435	2318	1498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.1	3.6
10°-20°	886.1	9.8
20°-30°	1289.1	14.3
30°-40°	1507.8	16.7
40°-50°	1549.8	17.1
50°-60°	1441.8	16.0
60°-70°	1172.8	13.0
70°-80°	710.4	7.9
80°-90°	159.1	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°	2497.3	27.6
0°-40°	4005.0	44.3
0°-60°	6996.7	77.4
0°-90°	9039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3455	3455	3455	3455	3455	
5°	3459	3438	3392	3398	3380	328
15°	3308	3237	3108	3062	3036	933
25°	3014	2886	2740	2712	2690	1386
35°	2593	2455	2344	2359	2357	1622
45°	2104	1968	1943	2029	2059	1619
55°	1559	1473	1576	1736	1775	1395
65°	1041	1022	1228	1326	1322	1031
75°	535	636	745	712	690	573
85°	118	163	113	82	73	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3455.4	3455.4	3455.4	3455.4	3455.4
2.5°	3473.6	3457.7	3423.5	3442.9	3434.9
5°	3458.8	3438.3	3391.7	3398.5	3380.3
7.5°	3437.2	3407.6	3340.5	3326.8	3310.9
10°	3403.0	3359.8	3271.1	3249.4	3219.9
12.5°	3360.9	3305.2	3193.7	3155.0	3127.7
15°	3307.5	3236.9	3108.4	3061.7	3035.5
17.5°	3249.4	3161.8	3019.6	2971.8	2944.5
20°	3177.8	3077.6	2924.0	2884.2	2868.3
22.5°	3098.1	2983.2	2835.3	2800.0	2781.8
25°	3013.9	2886.5	2739.7	2712.4	2689.7
27.5°	2914.9	2785.2	2643.0	2623.7	2607.7
30°	2816.0	2682.8	2547.4	2533.8	2527.0
32.5°	2711.3	2566.8	2447.3	2445.0	2441.6
35°	2593.0	2455.3	2343.8	2358.6	2357.4
37.5°	2478.0	2337.0	2245.9	2272.1	2277.8
40°	2351.7	2214.1	2141.3	2185.6	2201.6
42.5°	2227.7	2095.8	2043.4	2103.7	2129.9
45°	2103.7	1968.3	1943.3	2028.6	2059.3
47.5°	1968.3	1846.6	1848.9	1958.1	1994.5
50°	1834.1	1720.3	1754.4	1881.9	1924.0
52.5°	1695.3	1597.4	1669.1	1807.9	1855.7
55°	1558.7	1473.4	1575.8	1736.2	1774.9
57.5°	1422.2	1353.9	1490.5	1644.1	1682.7
60°	1294.8	1235.6	1408.5	1548.5	1578.1
62.5°	1173.0	1125.2	1327.8	1443.8	1458.6
65°	1041.0	1021.7	1227.6	1325.5	1322.1
67.5°	911.3	915.9	1125.2	1189.0	1183.3
70°	787.3	823.7	1014.9	1041.0	1017.2
72.5°	659.9	728.2	886.3	884.0	860.1
75°	534.7	636.0	745.2	712.2	689.5
77.5°	426.7	537.0	591.6	546.1	509.7
80°	314.0	430.1	424.4	373.2	343.6
82.5°	205.9	299.2	262.8	211.6	198.0
85°	118.3	162.7	112.6	81.9	72.8
87.5°	50.1	43.2	28.4	26.2	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)