

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-200-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-200-HE-L840
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

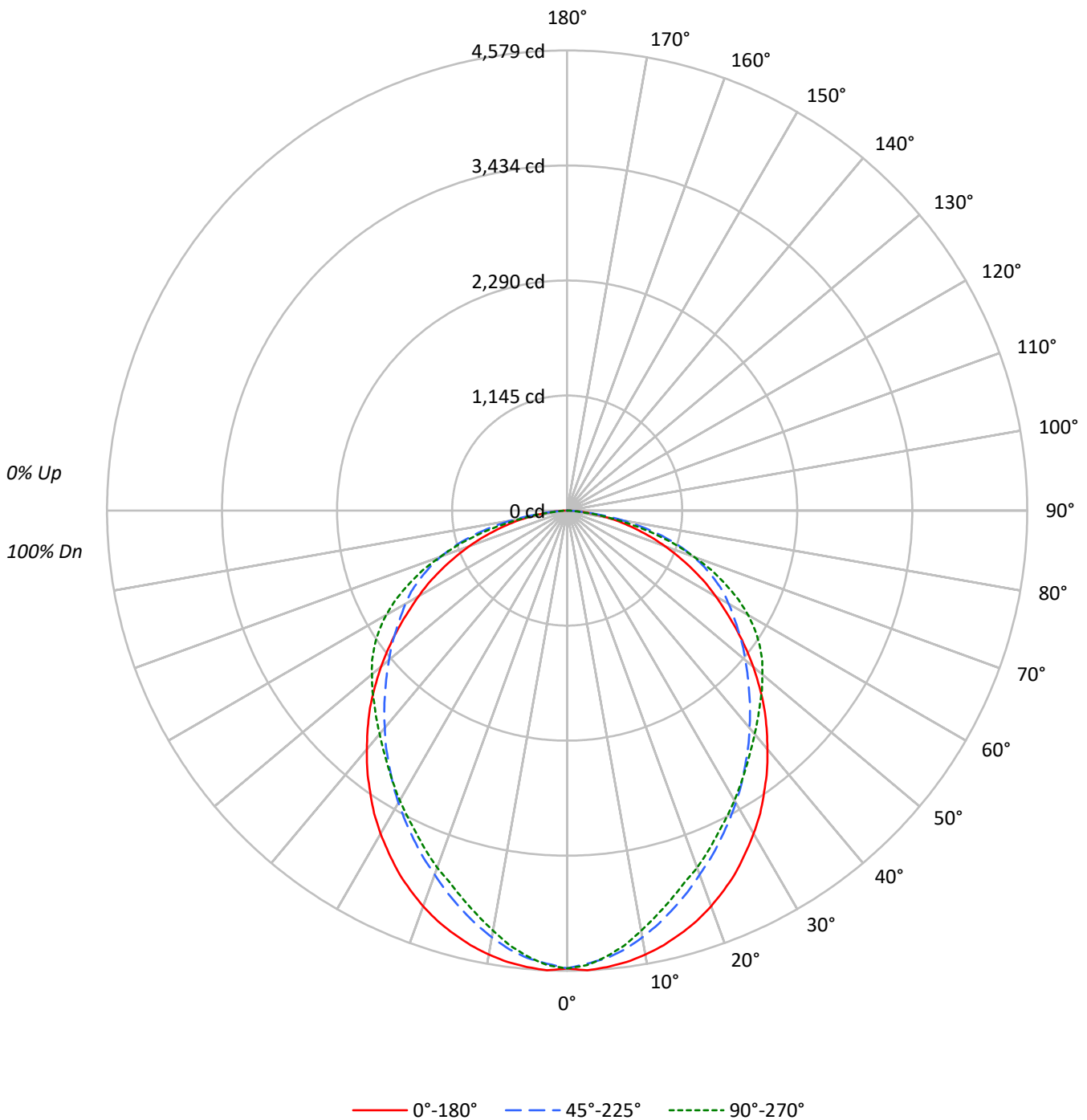
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11916.0 lumens
Efficiency: N/A
Efficacy: 194.7 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): 61.2
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°	8172	8172	8172
5°	8211	8052	8025
10°	8172	7855	7732
15°	8098	7611	7432
20°	7998	7359	7219
25°	7865	7149	7019
30°	7690	6957	6901
35°	7486	6767	6806
40°	7261	6611	6797
45°	7036	6499	6888
50°	6748	6455	7079
55°	6427	6498	7318
60°	6124	6663	7464
65°	5826	6870	7398
70°	5444	7018	7033
75°	4887	6809	6300
80°	4277	5780	4680
85°	3211	3057	1976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.6	3.6
10°-20°	1168.1	9.8
20°-30°	1699.4	14.3
30°-40°	1987.7	16.7
40°-50°	2043.1	17.1
50°-60°	1900.8	16.0
60°-70°	1546.1	13.0
70°-80°	936.5	7.9
80°-90°	209.8	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°	3292.1	27.6
0°-40°	5279.8	44.3
0°-60°	9223.6	77.4
0°-90°	11916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4555	4555	4555	4555	4555	
5°	4560	4533	4471	4480	4456	433
15°	4360	4267	4098	4036	4002	1230
25°	3973	3805	3612	3576	3546	1828
35°	3418	3237	3090	3109	3108	2139
45°	2773	2595	2562	2674	2715	2135
55°	2055	1942	2077	2289	2340	1839
65°	1372	1347	1618	1747	1743	1359
75°	705	838	982	939	909	755
85°	156	214	148	108	96	191
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4555.2	4555.2	4555.2	4555.2	4555.2
2.5°	4579.2	4558.2	4513.2	4538.7	4528.2
5°	4559.7	4532.7	4471.2	4480.2	4456.2
7.5°	4531.2	4492.2	4403.7	4385.7	4364.7
10°	4486.2	4429.2	4312.2	4283.7	4244.7
12.5°	4430.7	4357.2	4210.2	4159.2	4123.2
15°	4360.2	4267.2	4097.7	4036.2	4001.7
17.5°	4283.7	4168.2	3980.7	3917.7	3881.7
20°	4189.2	4057.2	3854.7	3802.2	3781.2
22.5°	4084.2	3932.7	3737.7	3691.2	3667.2
25°	3973.2	3805.2	3611.7	3575.7	3545.7
27.5°	3842.7	3671.7	3484.3	3458.8	3437.8
30°	3712.2	3536.8	3358.3	3340.3	3331.3
32.5°	3574.2	3383.8	3226.3	3223.3	3218.8
35°	3418.3	3236.8	3089.8	3109.3	3107.8
37.5°	3266.8	3080.8	2960.8	2995.3	3002.8
40°	3100.3	2918.8	2822.8	2881.3	2902.3
42.5°	2936.8	2762.8	2693.8	2773.3	2807.8
45°	2773.3	2594.8	2561.8	2674.3	2714.8
47.5°	2594.8	2434.3	2437.3	2581.3	2629.3
50°	2417.8	2267.8	2312.8	2480.8	2536.3
52.5°	2234.8	2105.9	2200.3	2383.3	2446.3
55°	2054.9	1942.4	2077.4	2288.8	2339.8
57.5°	1874.9	1784.9	1964.9	2167.3	2218.3
60°	1706.9	1628.9	1856.9	2041.4	2080.4
62.5°	1546.4	1483.4	1750.4	1903.4	1922.9
65°	1372.4	1346.9	1618.4	1747.4	1742.9
67.5°	1201.4	1207.4	1483.4	1567.4	1559.9
70°	1037.9	1085.9	1337.9	1372.4	1340.9
72.5°	869.9	959.9	1168.4	1165.4	1133.9
75°	705.0	838.4	982.4	938.9	908.9
77.5°	562.5	708.0	779.9	719.9	672.0
80°	414.0	567.0	559.5	492.0	453.0
82.5°	271.5	394.5	346.5	279.0	261.0
85°	156.0	214.5	148.5	108.0	96.0
87.5°	66.0	57.0	37.5	34.5	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)