

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-L935**

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-L935
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

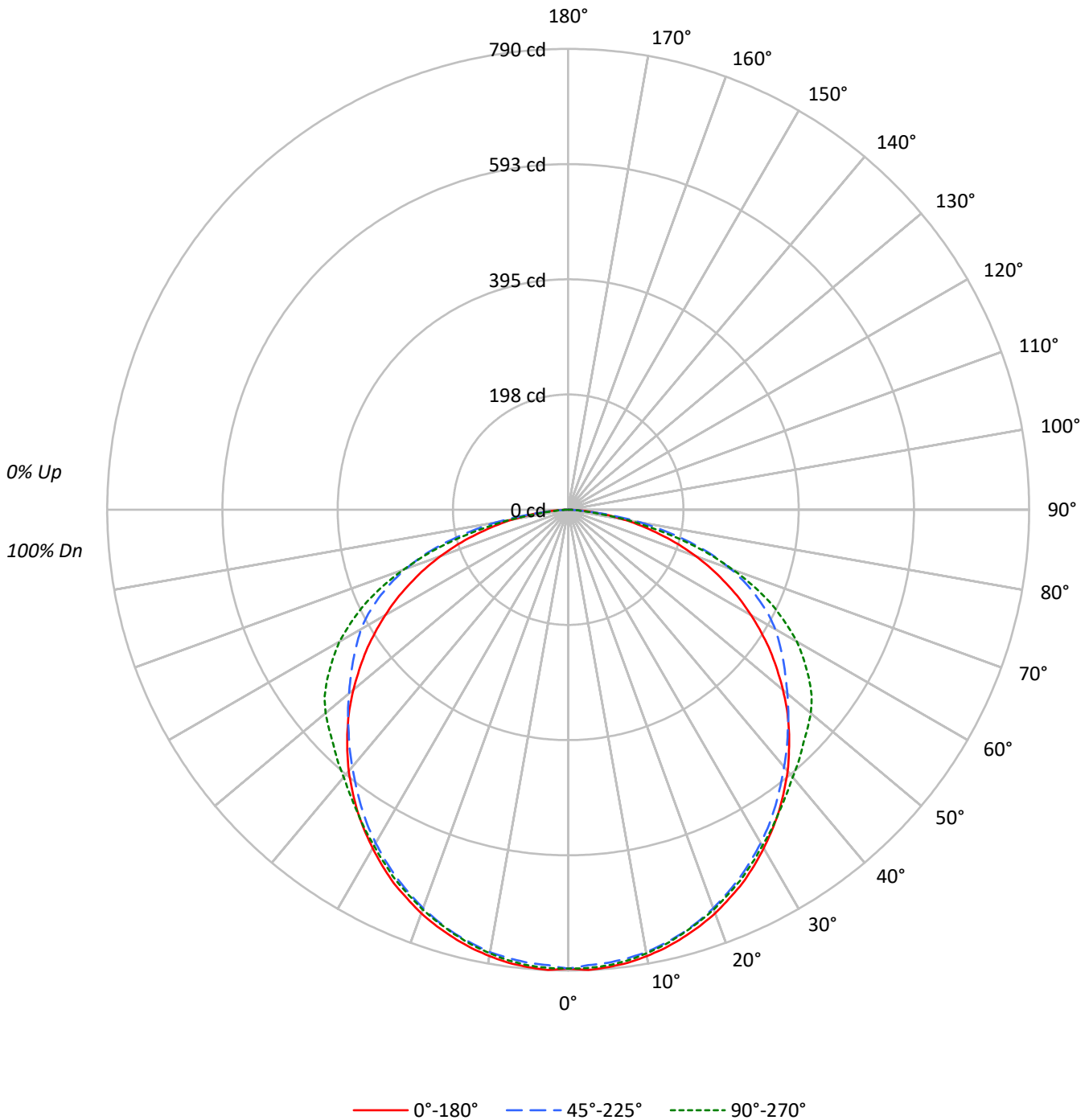
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2422.3 lumens
Efficiency: N/A
Efficacy: 169.4 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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-TS-50-HE-L935

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1412	1412	1412
5°	1418	1404	1412
10°	1415	1403	1407
15°	1411	1397	1399
20°	1406	1388	1393
25°	1399	1378	1386
30°	1388	1367	1378
35°	1380	1356	1382
40°	1370	1348	1401
45°	1358	1350	1444
50°	1341	1368	1515
55°	1323	1407	1575
60°	1300	1471	1625
65°	1268	1521	1638
70°	1220	1554	1574
75°	1124	1503	1406
80°	995	1293	1079
85°	716	655	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.1
10°-20°	213.2	8.8
20°-30°	322.9	13.3
30°-40°	391.6	16.2
40°-50°	418.9	17.3
50°-60°	406.0	16.8
60°-70°	340.1	14.0
70°-80°	209.0	8.6
80°-90°	46.1	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°	610.6	25.2
0°-40°	1002.2	41.4
0°-60°	1827.2	75.4
0°-90°	2422.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2422.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	787	786	780	785	784	75
15°	760	758	752	755	753	214
25°	707	702	696	701	700	325
35°	630	622	619	630	631	394
45°	535	524	532	559	569	413
55°	423	412	450	494	504	378
65°	299	297	358	382	386	295
75°	162	189	217	208	203	172
85°	35	47	32	22	21	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	786.8	786.8	786.8	786.8	786.8
2.5°	789.8	787.6	781.7	786.8	786.4
5°	787.2	785.5	779.6	784.7	784.2
7.5°	783.4	781.7	775.8	780.9	779.6
10°	777.0	775.8	770.2	774.1	772.4
12.5°	769.4	768.1	761.8	766.0	763.9
15°	759.6	757.9	752.0	755.4	753.3
17.5°	748.6	746.5	740.5	743.9	741.8
20°	736.3	733.3	727.0	731.6	729.5
22.5°	721.4	719.3	711.7	716.8	714.6
25°	706.6	702.3	696.0	700.6	700.2
27.5°	688.8	684.5	678.2	683.7	682.8
30°	670.1	665.4	659.9	665.4	665.4
32.5°	650.6	644.6	640.4	646.7	648.9
35°	630.2	622.1	619.2	629.8	631.0
37.5°	607.7	599.6	597.1	611.1	614.5
40°	585.2	575.0	575.5	593.3	598.4
42.5°	560.2	550.0	554.7	575.5	584.8
45°	535.1	523.7	532.2	559.3	569.1
47.5°	508.8	497.8	511.8	543.6	555.9
50°	480.4	469.4	490.2	528.8	542.8
52.5°	451.5	440.1	469.4	513.5	526.2
55°	423.1	411.6	449.8	494.4	503.7
57.5°	392.5	382.8	429.5	469.4	478.7
60°	362.4	353.9	409.9	443.9	452.8
62.5°	331.4	325.1	386.2	414.6	419.7
65°	298.8	297.1	358.2	382.4	385.8
67.5°	266.1	270.3	329.3	345.0	345.4
70°	232.6	244.0	296.2	303.0	300.0
72.5°	198.6	218.6	259.7	256.3	253.8
75°	162.1	189.3	216.9	207.5	202.9
77.5°	129.0	159.6	171.0	157.9	150.7
80°	96.3	126.0	125.2	108.2	104.4
82.5°	64.9	87.8	75.1	61.1	53.5
85°	34.8	46.7	31.8	22.1	20.8
87.5°	13.2	11.0	8.5	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)