

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-L835**

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-L835
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

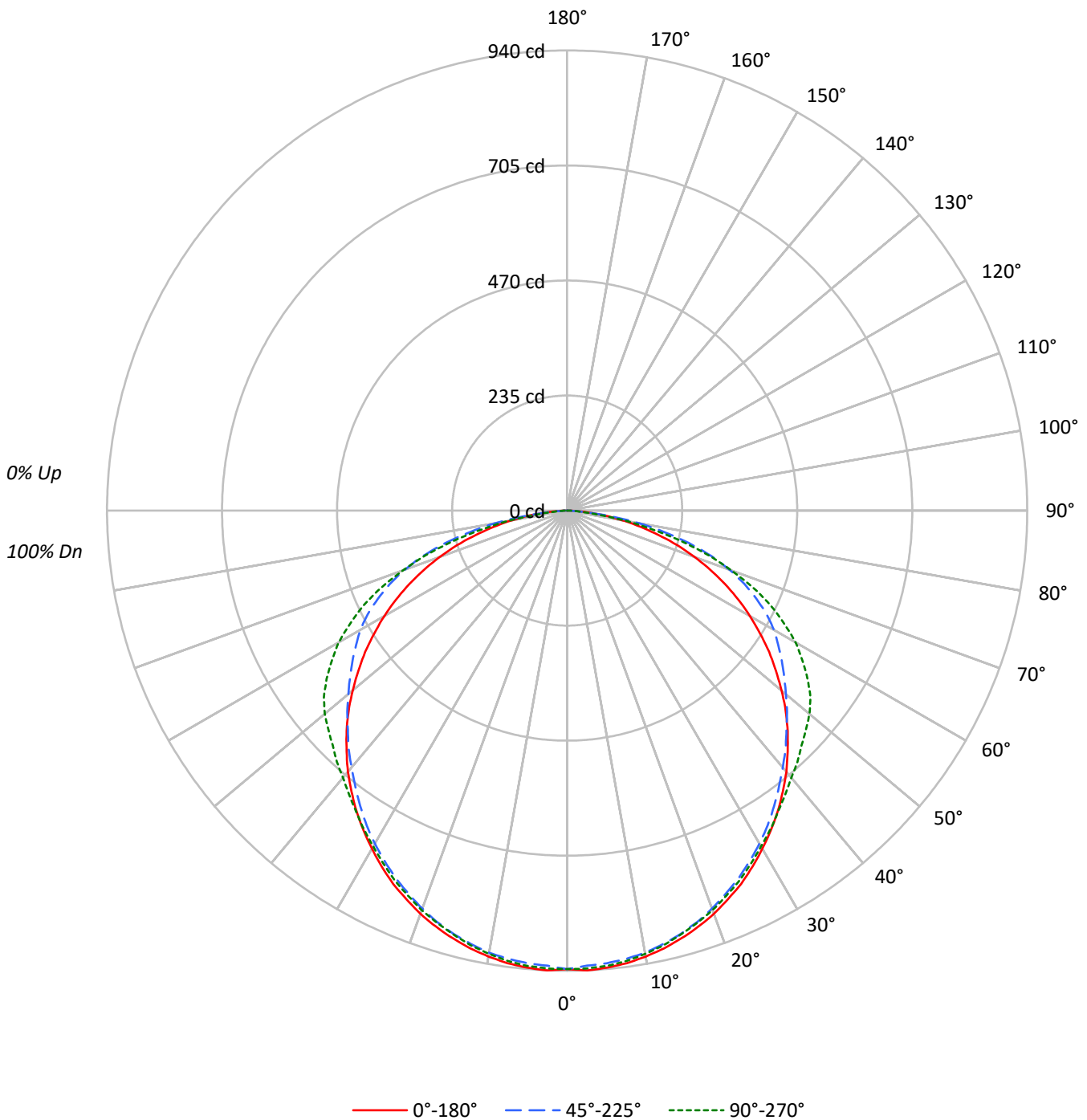
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2883.7 lumens
Efficiency: N/A
Efficacy: 201.7 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1680	1680	1680
5°	1688	1671	1681
10°	1685	1670	1675
15°	1680	1663	1665
20°	1673	1652	1658
25°	1665	1640	1650
30°	1652	1627	1641
35°	1643	1614	1645
40°	1632	1604	1668
45°	1616	1607	1719
50°	1596	1629	1804
55°	1575	1675	1876
60°	1548	1751	1934
65°	1510	1810	1949
70°	1452	1849	1874
75°	1338	1790	1674
80°	1185	1539	1284
85°	852	780	510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	3.1
10°-20°	253.8	8.8
20°-30°	384.4	13.3
30°-40°	466.2	16.2
40°-50°	498.7	17.3
50°-60°	483.4	16.8
60°-70°	404.8	14.0
70°-80°	248.7	8.6
80°-90°	54.9	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°	726.9	25.2
0°-40°	1193.1	41.4
0°-60°	2175.2	75.4
0°-90°	2883.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	937	935	928	934	934	89
15°	904	902	895	899	897	255
25°	841	836	828	834	834	387
35°	750	741	737	750	751	469
45°	637	623	634	666	678	491
55°	504	490	536	589	600	450
65°	356	354	426	455	459	352
75°	193	225	258	247	242	205
85°	41	56	38	26	25	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.7	936.7	936.7	936.7	936.7
2.5°	940.2	937.7	930.6	936.7	936.2
5°	937.2	935.1	928.1	934.1	933.6
7.5°	932.6	930.6	923.5	929.6	928.1
10°	925.0	923.5	917.0	921.5	919.5
12.5°	915.9	914.4	906.9	911.9	909.4
15°	904.3	902.3	895.2	899.3	896.7
17.5°	891.2	888.7	881.6	885.6	883.1
20°	876.5	873.0	865.4	871.0	868.5
22.5°	858.9	856.3	847.2	853.3	850.8
25°	841.2	836.1	828.5	834.1	833.6
27.5°	820.0	814.9	807.3	813.9	812.9
30°	797.7	792.2	785.6	792.2	792.2
32.5°	774.5	767.4	762.4	769.9	772.5
35°	750.2	740.6	737.1	749.7	751.2
37.5°	723.5	713.9	710.8	727.5	731.5
40°	696.7	684.6	685.1	706.3	712.3
42.5°	666.9	654.8	660.3	685.1	696.2
45°	637.1	623.4	633.5	665.9	677.5
47.5°	605.7	592.6	609.3	647.2	661.8
50°	571.9	558.8	583.5	629.5	646.2
52.5°	537.5	523.9	558.8	611.3	626.5
55°	503.7	490.1	535.5	588.6	599.7
57.5°	467.3	455.7	511.3	558.8	569.9
60°	431.4	421.3	488.0	528.4	539.1
62.5°	394.6	387.0	459.7	493.6	499.7
65°	355.7	353.6	426.4	455.2	459.2
67.5°	316.8	321.8	392.0	410.7	411.2
70°	276.9	290.5	352.6	360.7	357.2
72.5°	236.4	260.2	309.2	305.1	302.1
75°	193.0	225.3	258.2	247.0	241.5
77.5°	153.6	190.0	203.6	187.9	179.3
80°	114.7	150.0	149.0	128.8	124.3
82.5°	77.3	104.6	89.4	72.8	63.7
85°	41.4	55.6	37.9	26.3	24.8
87.5°	15.7	13.1	10.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)