

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: **8RSRK-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-150-HE-L950
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

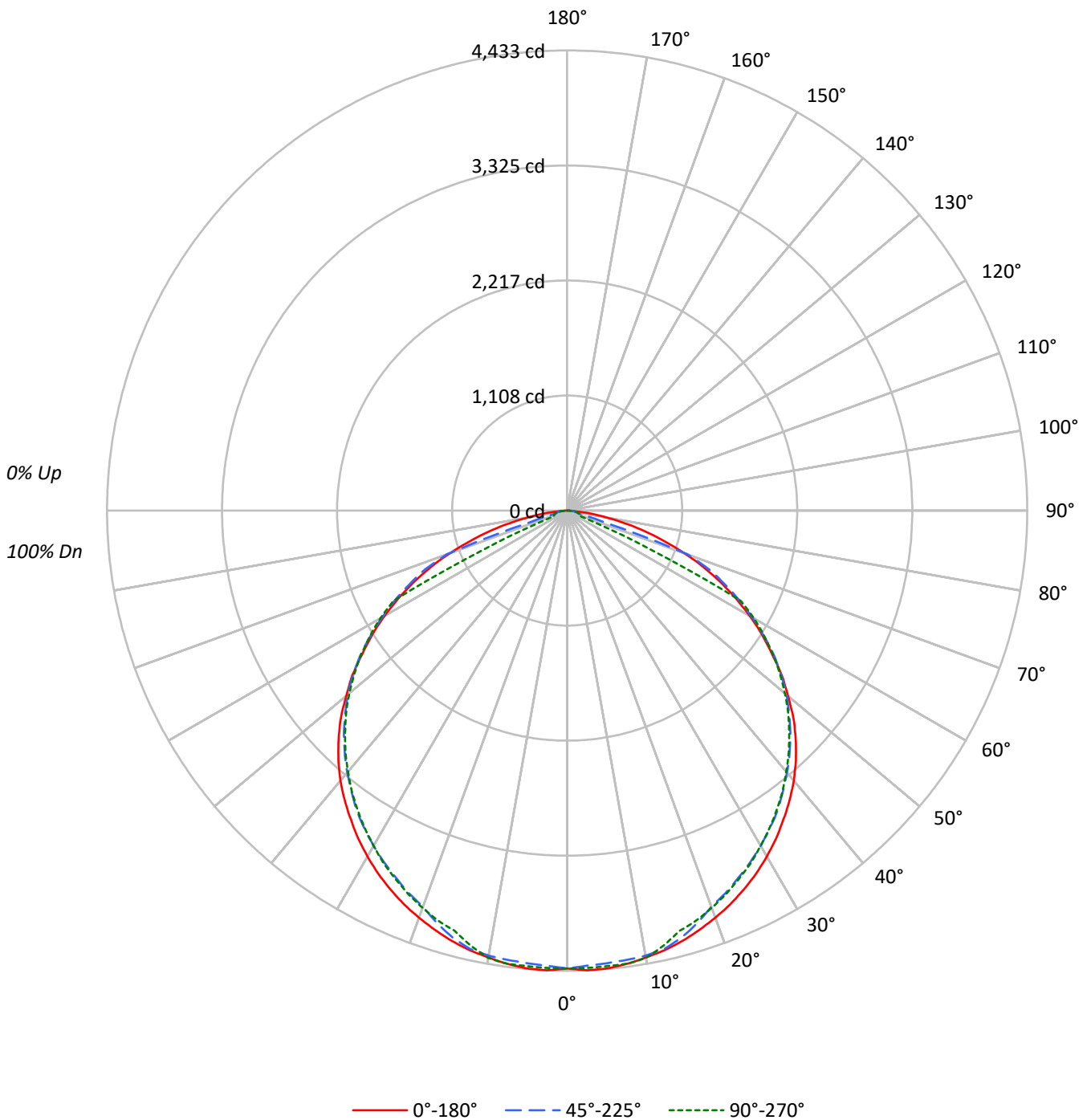
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12142.1 lumens
Efficiency: N/A
Efficacy: 274.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 8' 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	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5934	5934	5934
5°	5980	5911	5950
10°	5972	5949	5980
15°	5979	5932	5838
20°	5976	5815	5831
25°	5979	5795	5812
30°	5977	5794	5794
35°	5968	5801	5783
40°	5966	5788	5768
45°	5927	5788	5756
50°	5813	5777	5730
55°	5655	5708	5682
60°	5472	5533	5593
65°	5183	5326	2815
70°	4742	4853	532
75°	4070	586	644
80°	3055	742	742
85°	1565	781	696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.0	3.5
10°-20°	1200.4	9.9
20°-30°	1824.8	15.0
30°-40°	2222.9	18.3
40°-50°	2352.1	19.4
50°-60°	2157.5	17.8
60°-70°	1455.2	12.0
70°-80°	439.8	3.6
80°-90°	70.3	0.6
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°	3444.3	28.4
0°-40°	5667.1	46.7
0°-60°	10176.7	83.8
0°-90°	12142.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12142.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4411	4411	4411	4411	4411	
5°	4428	4394	4377	4416	4405	421
15°	4292	4270	4258	4225	4191	1212
25°	4028	4022	3904	3943	3915	1857
35°	3633	3554	3532	3543	3520	2275
45°	3115	3042	3042	3047	3025	2398
55°	2411	2377	2433	2433	2422	2158
65°	1628	1605	1673	1695	884	1607
75°	783	789	113	124	124	830
85°	101	51	51	45	45	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4410.6	4410.6	4410.6	4410.6	4410.6
2.5°	4433.2	4399.3	4388.1	4416.2	4410.6
5°	4427.5	4393.7	4376.7	4416.2	4405.0
7.5°	4405.0	4371.2	4365.6	4410.6	4405.0
10°	4371.2	4348.6	4354.2	4393.7	4376.7
12.5°	4337.4	4314.8	4326.1	4314.8	4292.3
15°	4292.3	4269.8	4258.5	4224.7	4190.9
17.5°	4236.0	4224.7	4168.4	4157.1	4140.3
20°	4173.9	4173.9	4061.3	4095.2	4072.7
22.5°	4106.3	4106.3	3988.1	4021.9	3999.4
25°	4027.6	4021.9	3903.6	3943.1	3915.0
27.5°	3943.1	3915.0	3819.1	3852.9	3830.4
30°	3847.4	3796.6	3729.0	3751.5	3729.0
32.5°	3745.8	3672.7	3633.2	3650.1	3627.6
35°	3633.2	3554.4	3531.9	3543.0	3520.5
37.5°	3520.5	3436.1	3413.6	3430.4	3407.9
40°	3396.7	3317.7	3295.2	3306.6	3284.1
42.5°	3261.5	3193.9	3171.4	3177.0	3160.0
45°	3114.9	3041.8	3041.8	3047.3	3024.8
47.5°	2957.2	2895.3	2901.0	2906.6	2889.6
50°	2777.0	2731.9	2760.1	2765.8	2737.6
52.5°	2608.1	2563.0	2596.7	2608.1	2585.6
55°	2410.9	2377.1	2433.4	2433.4	2422.2
57.5°	2225.1	2191.1	2247.6	2270.1	2253.2
60°	2033.4	1999.8	2056.0	2095.4	2078.5
62.5°	1830.6	1802.5	1870.1	1920.8	1887.1
65°	1627.9	1605.3	1672.9	1695.4	884.3
67.5°	1419.5	1402.5	1481.5	535.2	140.8
70°	1205.4	1188.6	1233.7	135.2	135.2
72.5°	985.8	991.4	394.3	129.6	129.6
75°	783.0	788.6	112.7	123.9	123.9
77.5°	580.3	591.4	107.1	112.7	112.7
80°	394.3	287.3	95.7	95.7	95.7
82.5°	236.6	67.6	73.2	73.2	67.6
85°	101.4	50.6	50.6	45.1	45.1
87.5°	33.8	22.5	22.5	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)