

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-200-HE-L830**

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-200-HE-L830
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

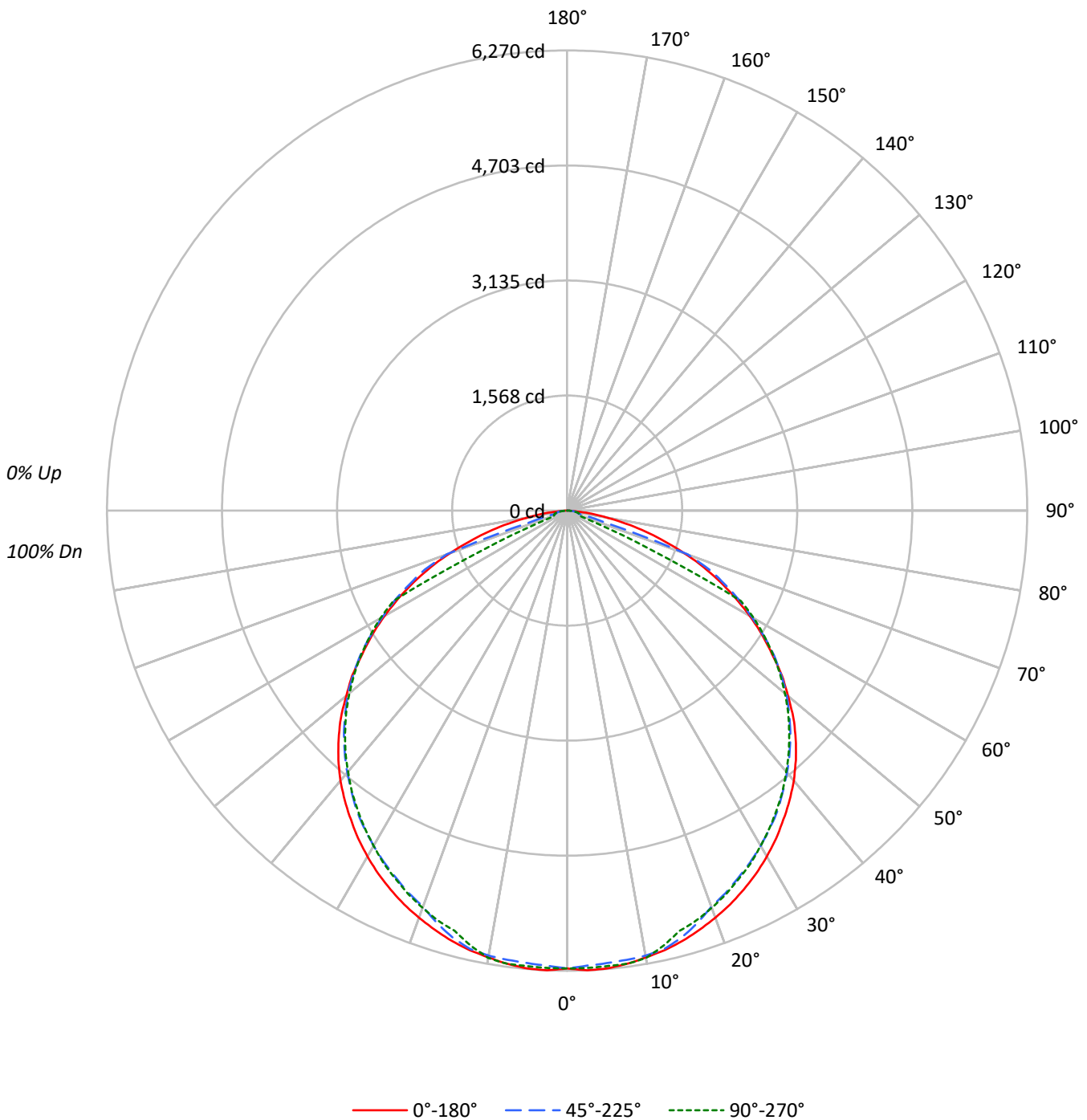
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17173.2 lumens
Efficiency: N/A
Efficacy: 280.6 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): 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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-200-HE-L830

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-200-HE-L830

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°	8393	8393	8393
5°	8458	8361	8415
10°	8447	8414	8457
15°	8456	8390	8257
20°	8453	8224	8248
25°	8457	8196	8220
30°	8454	8194	8194
35°	8440	8205	8179
40°	8438	8186	8158
45°	8383	8186	8140
50°	8221	8171	8105
55°	7999	8074	8036
60°	7739	7825	7911
65°	7330	7533	3982
70°	6707	6864	752
75°	5757	828	911
80°	4321	1048	1048
85°	2214	1105	983



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-200-HE-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.6	3.5
10°-20°	1697.8	9.9
20°-30°	2581.0	15.0
30°-40°	3143.9	18.3
40°-50°	3326.7	19.4
50°-60°	3051.4	17.8
60°-70°	2058.2	12.0
70°-80°	622.1	3.6
80°-90°	99.5	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°	4871.4	28.4
0°-40°	8015.2	46.7
0°-60°	14393.4	83.8
0°-90°	17173.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17173.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6238	6238	6238	6238	6238	
5°	6262	6214	6190	6246	6230	595
15°	6071	6039	6023	5975	5927	1714
25°	5696	5688	5521	5577	5537	2627
35°	5139	5027	4995	5011	4979	3218
45°	4406	4302	4302	4310	4278	3392
55°	3410	3362	3442	3442	3426	3052
65°	2302	2270	2366	2398	1251	2273
75°	1108	1115	159	175	175	1173
85°	143	72	72	64	64	219
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-200-HE-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6238.2	6238.2	6238.2	6238.2	6238.2
2.5°	6270.0	6222.0	6206.3	6246.0	6238.2
5°	6262.0	6214.2	6190.2	6246.0	6230.1
7.5°	6230.1	6182.3	6174.4	6238.2	6230.1
10°	6182.3	6150.4	6158.3	6214.2	6190.2
12.5°	6134.5	6102.6	6118.6	6102.6	6070.8
15°	6070.8	6038.9	6023.0	5975.2	5927.4
17.5°	5991.1	5975.2	5895.5	5879.6	5855.8
20°	5903.4	5903.4	5744.0	5792.0	5760.2
22.5°	5807.8	5807.8	5640.6	5688.4	5656.5
25°	5696.4	5688.4	5521.0	5576.8	5537.1
27.5°	5576.8	5537.1	5401.6	5449.4	5417.5
30°	5441.5	5369.7	5274.1	5306.0	5274.1
32.5°	5297.9	5194.4	5138.6	5162.5	5130.7
35°	5138.6	5027.2	4995.3	5011.1	4979.2
37.5°	4979.2	4859.8	4827.9	4851.7	4819.9
40°	4804.1	4692.4	4660.5	4676.7	4644.8
42.5°	4612.9	4517.3	4485.5	4493.3	4469.3
45°	4405.6	4302.1	4302.1	4310.0	4278.1
47.5°	4182.5	4095.0	4103.0	4110.9	4086.9
50°	3927.6	3863.8	3903.8	3911.8	3871.9
52.5°	3688.8	3625.0	3672.6	3688.8	3656.9
55°	3409.8	3362.0	3441.7	3441.7	3425.8
57.5°	3147.0	3099.0	3178.9	3210.8	3186.8
60°	2876.0	2828.3	2907.8	2963.7	2939.7
62.5°	2589.1	2549.4	2645.0	2716.6	2669.0
65°	2302.3	2270.5	2366.1	2397.9	1250.7
67.5°	2007.7	1983.7	2095.4	756.9	199.1
70°	1704.9	1681.1	1744.8	191.2	191.2
72.5°	1394.3	1402.2	557.7	183.3	183.3
75°	1107.5	1115.4	159.3	175.3	175.3
77.5°	820.7	836.4	151.5	159.3	159.3
80°	557.7	406.4	135.3	135.3	135.3
82.5°	334.6	95.6	103.5	103.5	95.6
85°	143.4	71.6	71.6	63.7	63.7
87.5°	47.8	31.9	31.9	24.0	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)