

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: P289584

Luminaire Tested: **8RSRK-RM-200-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-RM-200-HE-L930
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

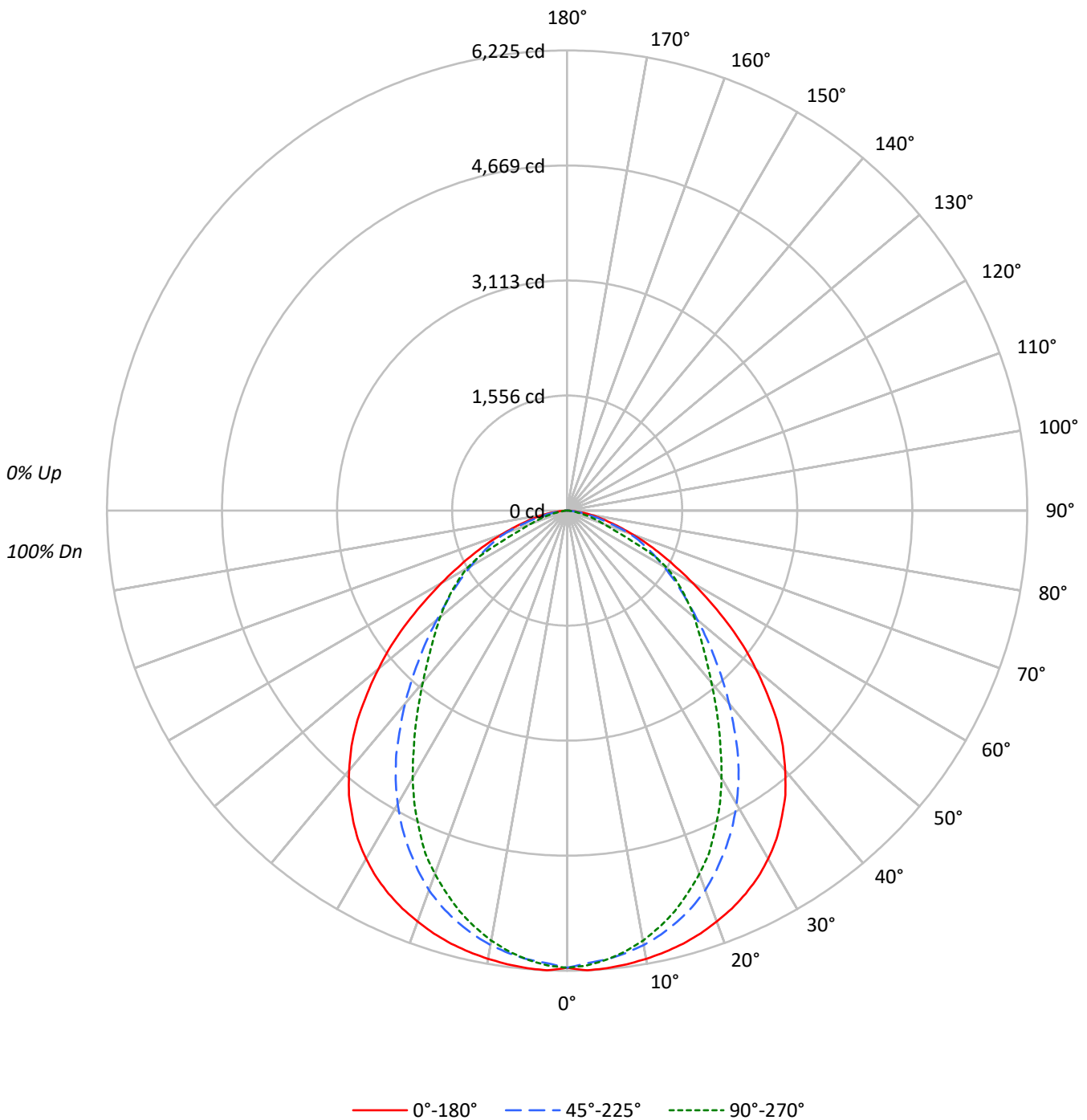
Lumens per Lamp: N/A
Luminaire Lumens: 13128.5 lumens
Efficiency: N/A
Efficacy: 214.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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: P289584

CATALOG NUMBER: 8RSRK-RM-200-HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P289584

CATALOG NUMBER: 8RSRK-RM-200-HE-L930

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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89					87				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8321	8321	8321
5°	8391	8233	8239
10°	8413	8152	8071
15°	8449	8020	7820
20°	8470	7827	7489
25°	8486	7512	7043
30°	8451	7125	6490
35°	8318	6619	5874
40°	8058	5990	5330
45°	7637	5372	4931
50°	6979	4815	4699
55°	6195	4399	4471
60°	5284	4053	4218
65°	4462	3795	3011
70°	3689	3455	2042
75°	2987	2538	1600
80°	2480	1812	986
85°	1711	760	665



TEST NUMBER: P289584

CATALOG NUMBER: 8RSRK-RM-200-HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.9	4.4
10°-20°	1635.2	12.5
20°-30°	2368.3	18.0
30°-40°	2599.4	19.8
40°-50°	2348.5	17.9
50°-60°	1831.2	13.9
60°-70°	1159.2	8.8
70°-80°	507.6	3.9
80°-90°	97.3	0.7
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°	4585.3	34.9
0°-40°	7184.7	54.7
0°-60°	11364.4	86.6
0°-90°	13128.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13128.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6184	6184	6184	6184	6184	
5°	6213	6172	6096	6129	6100	591
15°	6065	5952	5757	5688	5614	1713
25°	5716	5466	5060	4869	4744	2633
35°	5064	4610	4030	3708	3576	3162
45°	4013	3377	2823	2655	2592	3077
55°	2641	2118	1875	1902	1906	2359
65°	1401	1165	1192	1141	946	1404
75°	574	591	488	351	308	628
85°	111	105	49	45	43	144
90°	0	0	0	0	0	



TEST NUMBER: P289584

CATALOG NUMBER: 8RSRK-RM-200-HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6184.2	6184.2	6184.2	6184.2	6184.2
2.5°	6225.2	6190.3	6128.8	6176.0	6159.6
5°	6212.9	6171.9	6096.0	6128.8	6100.1
7.5°	6190.3	6141.1	6040.6	6050.8	6015.9
10°	6157.5	6091.9	5966.7	5954.4	5907.2
12.5°	6116.5	6028.3	5874.4	5831.3	5769.7
15°	6065.2	5952.3	5757.4	5687.7	5613.8
17.5°	5999.5	5855.9	5624.0	5511.2	5427.1
20°	5915.4	5743.1	5466.1	5318.3	5230.1
22.5°	5827.2	5613.8	5269.1	5115.2	5016.7
25°	5716.4	5466.1	5059.8	4869.0	4743.8
27.5°	5591.2	5295.8	4834.1	4598.1	4473.0
30°	5439.4	5096.7	4585.8	4302.7	4177.5
32.5°	5271.1	4871.0	4315.0	4013.4	3867.7
35°	5063.9	4610.4	4029.8	3707.6	3576.3
37.5°	4850.5	4329.3	3709.7	3410.1	3297.3
40°	4587.9	4031.8	3410.1	3135.2	3034.6
42.5°	4319.1	3701.5	3110.6	2882.8	2800.7
45°	4013.4	3377.3	2823.3	2655.1	2591.5
47.5°	3670.7	3055.2	2558.6	2454.0	2408.8
50°	3334.2	2733.0	2300.1	2259.1	2244.7
52.5°	2999.8	2417.0	2076.4	2080.5	2072.3
55°	2640.7	2117.5	1875.4	1902.0	1906.1
57.5°	2283.7	1832.3	1686.6	1735.8	1739.9
60°	1963.6	1588.1	1506.0	1565.5	1567.6
62.5°	1668.1	1360.4	1341.9	1399.3	1331.6
65°	1401.4	1165.4	1192.1	1140.8	945.9
67.5°	1163.4	1003.3	1046.4	798.2	670.9
70°	937.7	845.4	878.2	595.0	519.1
72.5°	740.7	714.0	664.8	463.7	404.2
75°	574.5	590.9	488.3	350.9	307.8
77.5°	439.1	480.1	355.0	252.4	211.3
80°	320.1	359.1	233.9	151.8	127.2
82.5°	211.3	225.7	123.1	78.0	67.7
85°	110.8	104.6	49.2	45.1	43.1
87.5°	47.2	26.7	24.6	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)