

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: P289547

Luminaire Tested: **6RSRK-RM-200-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289547
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: 6RSRK-RM-200-HE-L940
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

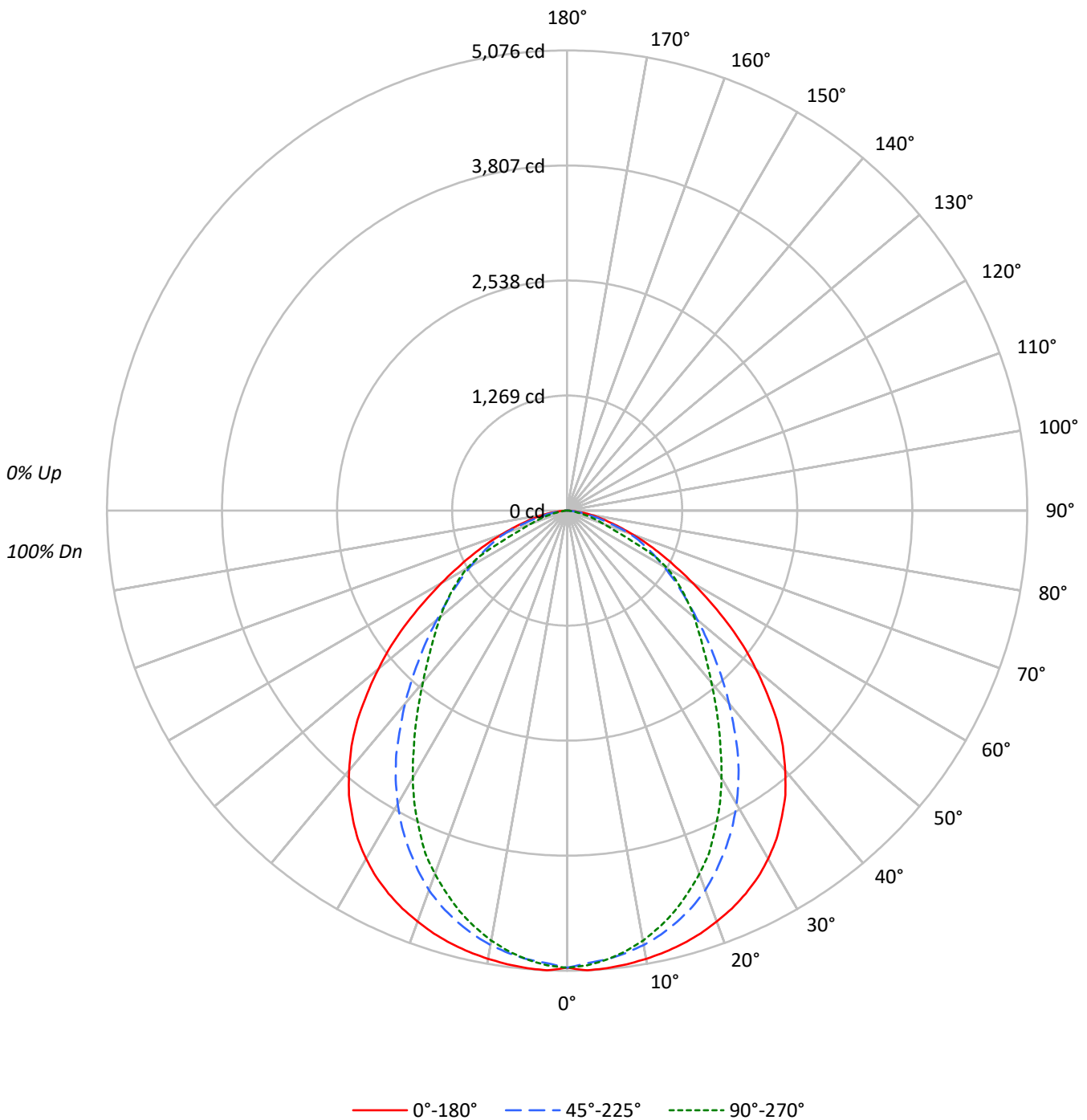
Lumens per Lamp: N/A
Luminaire Lumens: 10704.9 lumens
Efficiency: N/A
Efficacy: 174.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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: P289547

CATALOG NUMBER: 6RSRK-RM-200-HE-L940

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	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°	9046	9046	9046
5°	9123	8951	8957
10°	9146	8863	8774
15°	9185	8719	8501
20°	9208	8509	8142
25°	9226	8167	7657
30°	9188	7746	7056
35°	9043	7196	6386
40°	8761	6512	5795
45°	8303	5841	5361
50°	7588	5234	5108
55°	6735	4783	4861
60°	5745	4406	4586
65°	4851	4126	3274
70°	4011	3756	2220
75°	3247	2760	1740
80°	2696	1970	1071
85°	1859	827	722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.5	4.4
10°-20°	1333.3	12.5
20°-30°	1931.1	18.0
30°-40°	2119.5	19.8
40°-50°	1915.0	17.9
50°-60°	1493.2	13.9
60°-70°	945.2	8.8
70°-80°	413.9	3.9
80°-90°	79.4	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°	3738.8	34.9
0°-40°	5858.3	54.7
0°-60°	9266.5	86.6
0°-90°	10704.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10704.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5042	5042	5042	5042	5042	
5°	5066	5032	4971	4997	4974	482
15°	4946	4854	4694	4638	4577	1397
25°	4661	4457	4126	3970	3868	2147
35°	4129	3759	3286	3023	2916	2578
45°	3272	2754	2302	2165	2113	2509
55°	2153	1727	1529	1551	1554	1924
65°	1143	950	972	930	771	1145
75°	468	482	398	286	251	512
85°	90	85	40	37	35	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5042.5	5042.5	5042.5	5042.5	5042.5
2.5°	5076.0	5047.6	4997.4	5035.8	5022.5
5°	5066.0	5032.5	4970.6	4997.4	4973.9
7.5°	5047.6	5007.4	4925.4	4933.8	4905.4
10°	5020.8	4967.3	4865.2	4855.2	4816.7
12.5°	4987.3	4915.4	4789.9	4754.8	4704.6
15°	4945.5	4853.5	4694.5	4637.7	4577.4
17.5°	4892.0	4774.9	4585.8	4493.8	4425.2
20°	4823.4	4682.8	4457.0	4336.5	4264.6
22.5°	4751.4	4577.4	4296.4	4170.9	4090.6
25°	4661.1	4457.0	4125.7	3970.1	3868.1
27.5°	4559.0	4318.1	3941.7	3749.3	3647.2
30°	4435.2	4155.8	3739.2	3508.4	3406.3
32.5°	4298.0	3971.8	3518.4	3272.5	3153.7
35°	4129.1	3759.3	3285.8	3023.2	2916.1
37.5°	3955.1	3530.1	3024.9	2780.6	2688.6
40°	3740.9	3287.5	2780.6	2556.4	2474.4
42.5°	3521.7	3018.2	2536.3	2350.6	2283.7
45°	3272.5	2753.8	2302.1	2164.9	2113.0
47.5°	2993.1	2491.2	2086.3	2001.0	1964.1
50°	2718.7	2228.5	1875.5	1842.0	1830.3
52.5°	2446.0	1970.8	1693.1	1696.5	1689.8
55°	2153.2	1726.6	1529.2	1550.9	1554.3
57.5°	1862.1	1494.0	1375.2	1415.4	1418.7
60°	1601.1	1294.9	1228.0	1276.5	1278.2
62.5°	1360.2	1109.2	1094.2	1141.0	1085.8
65°	1142.7	950.3	972.0	930.2	771.3
67.5°	948.6	818.1	853.3	650.8	547.1
70°	764.6	689.3	716.1	485.2	423.3
72.5°	604.0	582.2	542.1	378.1	329.6
75°	468.5	481.8	398.2	286.1	251.0
77.5°	358.0	391.5	289.4	205.8	172.3
80°	261.0	292.8	190.7	123.8	103.7
82.5°	172.3	184.0	100.4	63.6	55.2
85°	90.3	85.3	40.2	36.8	35.1
87.5°	38.5	21.7	20.1	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)