

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: P289525

Luminaire Tested: **6RSRK-RM-65-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289525
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-65-HE-L830
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

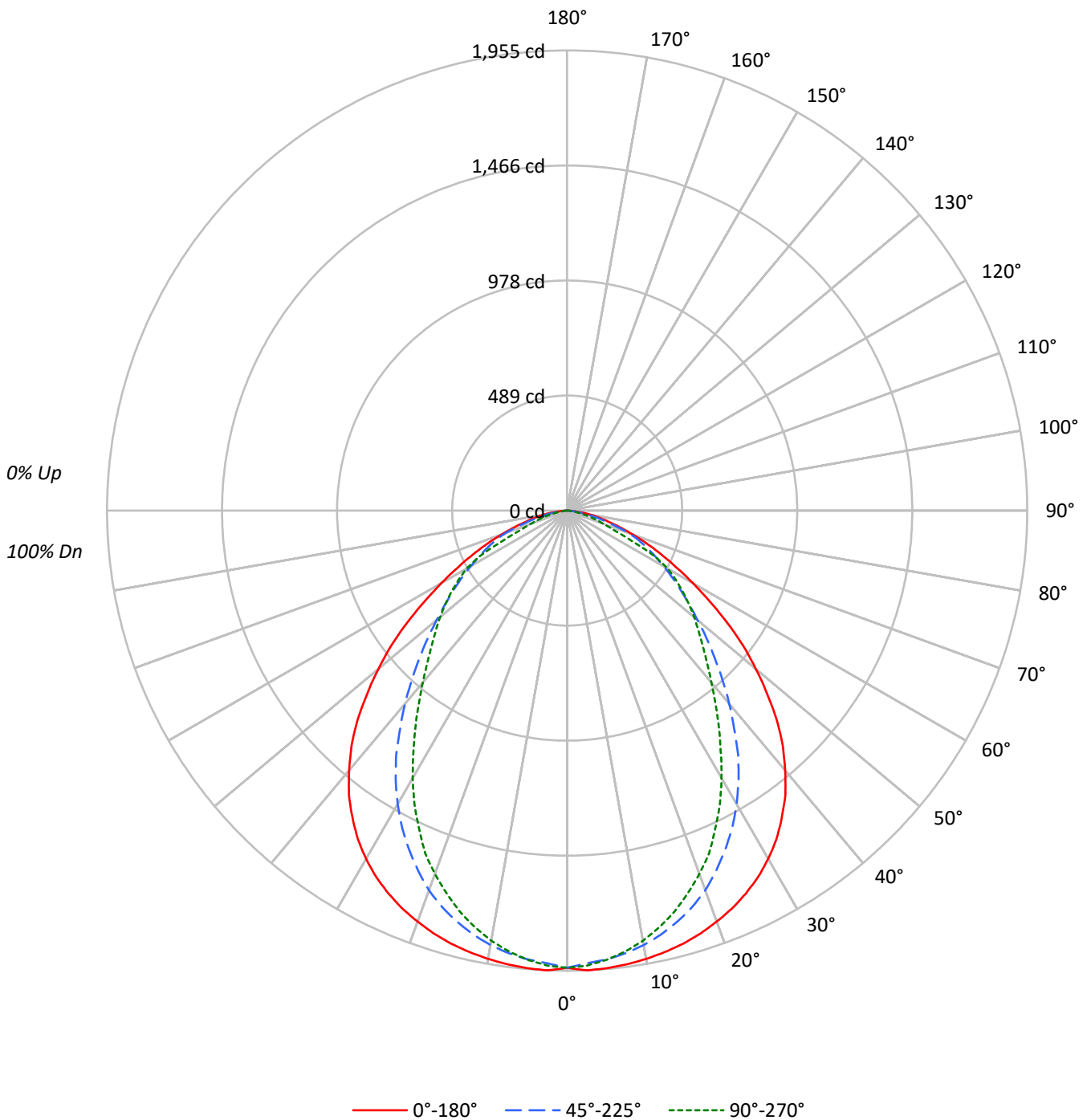
Lumens per Lamp: N/A
Luminaire Lumens: 4123.4 lumens
Efficiency: N/A
Efficacy: 218.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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: P289525

CATALOG NUMBER: 6RSRK-RM-65-HE-L830

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3484	3484	3484
5°	3514	3448	3450
10°	3523	3414	3380
15°	3538	3359	3275
20°	3547	3278	3136
25°	3554	3146	2949
30°	3539	2984	2718
35°	3483	2772	2460
40°	3374	2508	2232
45°	3198	2250	2065
50°	2923	2016	1968
55°	2594	1842	1873
60°	2213	1697	1766
65°	1868	1589	1261
70°	1545	1447	855
75°	1250	1063	670
80°	1038	759	413
85°	716	319	278



TEST NUMBER: P289525

CATALOG NUMBER: 6RSRK-RM-65-HE-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	4.4
10°-20°	513.6	12.5
20°-30°	743.8	18.0
30°-40°	816.4	19.8
40°-50°	737.6	17.9
50°-60°	575.2	13.9
60°-70°	364.1	8.8
70°-80°	159.4	3.9
80°-90°	30.6	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°	1440.1	34.9
0°-40°	2256.5	54.7
0°-60°	3569.3	86.6
0°-90°	4123.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1951	1938	1915	1925	1916	186
15°	1905	1870	1808	1786	1763	538
25°	1795	1717	1589	1529	1490	827
35°	1590	1448	1266	1164	1123	993
45°	1260	1061	887	834	814	967
55°	829	665	589	597	599	741
65°	440	366	374	358	297	441
75°	180	186	153	110	97	197
85°	35	33	16	14	14	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1942.3	1942.3	1942.3	1942.3	1942.3
2.5°	1955.2	1944.2	1924.9	1939.7	1934.6
5°	1951.3	1938.4	1914.6	1924.9	1915.9
7.5°	1944.2	1928.8	1897.2	1900.4	1889.5
10°	1933.9	1913.3	1874.0	1870.1	1855.3
12.5°	1921.0	1893.3	1845.0	1831.5	1812.1
15°	1904.9	1869.5	1808.3	1786.4	1763.2
17.5°	1884.3	1839.2	1766.4	1730.9	1704.5
20°	1857.9	1803.8	1716.8	1670.4	1642.7
22.5°	1830.2	1763.2	1654.9	1606.6	1575.6
25°	1795.4	1716.8	1589.2	1529.2	1489.9
27.5°	1756.1	1663.3	1518.3	1444.2	1404.9
30°	1708.4	1600.8	1440.3	1351.4	1312.1
32.5°	1655.5	1529.9	1355.2	1260.5	1214.8
35°	1590.5	1448.0	1265.7	1164.5	1123.2
37.5°	1523.4	1359.7	1165.1	1071.0	1035.6
40°	1440.9	1266.3	1071.0	984.7	953.1
42.5°	1356.5	1162.6	977.0	905.4	879.6
45°	1260.5	1060.7	886.7	833.9	813.9
47.5°	1152.9	959.6	803.6	770.7	756.6
50°	1047.2	858.4	722.4	709.5	705.0
52.5°	942.2	759.1	652.2	653.5	650.9
55°	829.4	665.1	589.0	597.4	598.7
57.5°	717.3	575.5	529.7	545.2	546.5
60°	616.7	498.8	473.0	491.7	492.3
62.5°	523.9	427.3	421.5	439.5	418.2
65°	440.1	366.0	374.4	358.3	297.1
67.5°	365.4	315.1	328.7	250.7	210.7
70°	294.5	265.5	275.8	186.9	163.0
72.5°	232.6	224.3	208.8	145.6	127.0
75°	180.4	185.6	153.4	110.2	96.7
77.5°	137.9	150.8	111.5	79.3	66.4
80°	100.5	112.8	73.5	47.7	40.0
82.5°	66.4	70.9	38.7	24.5	21.3
85°	34.8	32.9	15.5	14.2	13.5
87.5°	14.8	8.4	7.7	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)