

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: CORELITE

Report Number: P302378

Luminaire Tested: **RX-WO-65L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-65L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

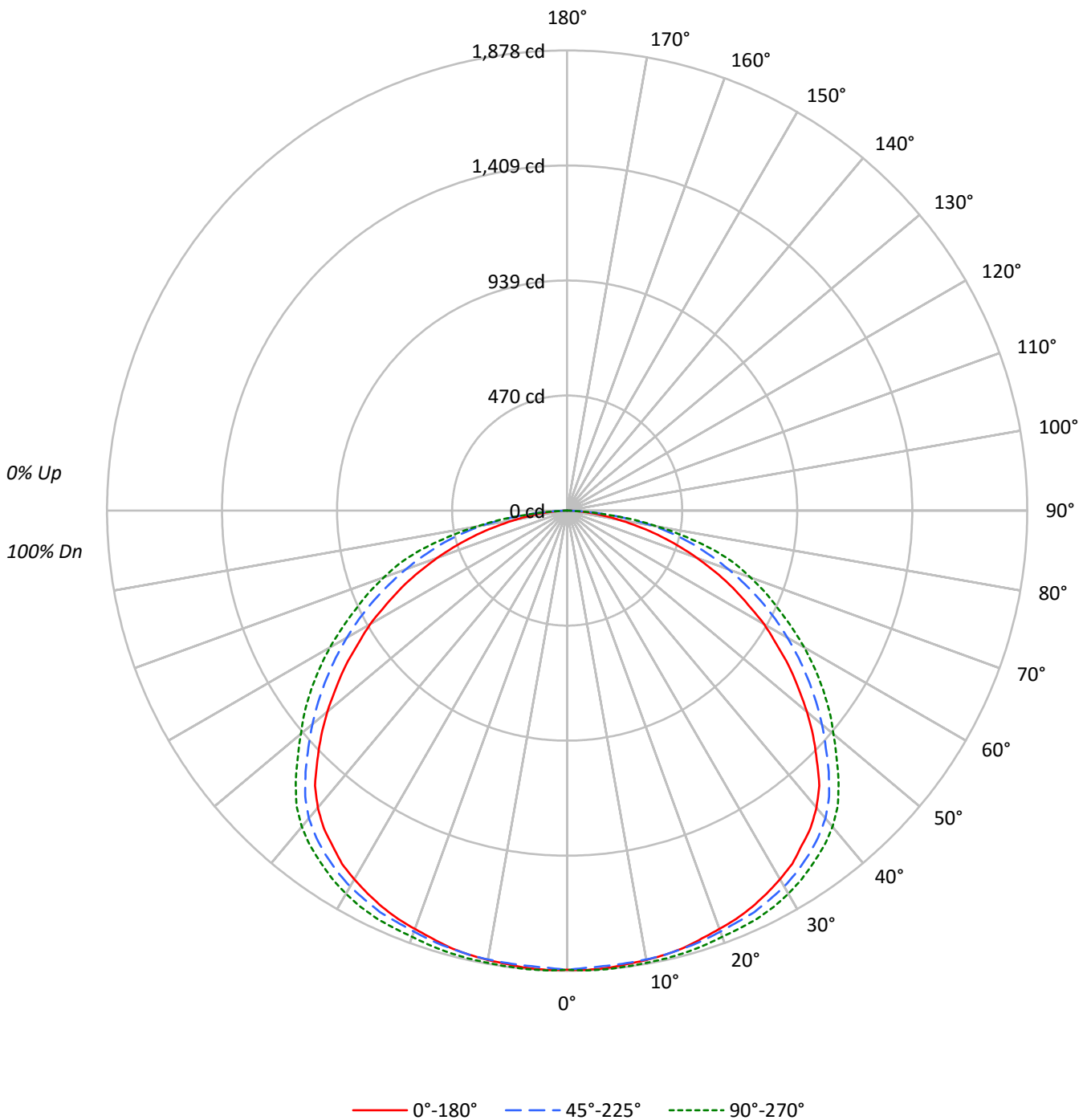
Lumens per Lamp: N/A
Luminaire Lumens: 6381.5 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (A_{in}): 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	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	108	103	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56					56			
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47					47			
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41					41			
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35					35			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27					27			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24					24			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2521	2521	2521
5°	2531	2519	2537
10°	2545	2542	2560
15°	2572	2575	2601
20°	2602	2618	2651
25°	2650	2684	2728
30°	2699	2752	2805
35°	2742	2820	2880
40°	2780	2880	2960
45°	2743	2873	2981
50°	2674	2841	2969
55°	2591	2815	2991
60°	2500	2794	3009
65°	2378	2777	3030
70°	2212	2759	3126
75°	1988	2770	3208
80°	1641	2734	2929
85°	1195	2039	1899



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.5	2.8
10°-20°	524.7	8.2
20°-30°	835.8	13.1
30°-40°	1074.4	16.8
40°-50°	1161.8	18.2
50°-60°	1068.7	16.7
60°-70°	852.0	13.4
70°-80°	541.3	8.5
80°-90°	144.2	2.3
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°	1539.0	24.1
0°-40°	2613.4	41.0
0°-60°	4844.0	75.9
0°-90°	6381.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6381.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1874	1874	1874	1874	1874	
5°	1874	1874	1865	1876	1878	178
15°	1847	1849	1849	1865	1867	522
25°	1785	1792	1808	1828	1838	824
35°	1669	1687	1717	1749	1753	1046
45°	1441	1466	1510	1551	1567	1111
55°	1104	1136	1200	1255	1275	985
65°	747	786	872	936	952	737
75°	382	437	533	603	617	405
85°	77	121	132	132	123	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1874.0	1874.0	1874.0	1874.0	1874.0
2.5°	1876.3	1876.3	1867.2	1878.5	1878.5
5°	1874.0	1874.0	1864.9	1876.3	1878.5
7.5°	1867.2	1869.4	1862.6	1874.0	1876.3
10°	1862.6	1864.9	1860.3	1871.7	1874.0
12.5°	1855.8	1858.1	1855.8	1869.4	1871.7
15°	1846.7	1848.9	1848.9	1864.9	1867.2
17.5°	1830.7	1835.3	1839.8	1858.1	1860.3
20°	1817.1	1821.6	1828.5	1848.9	1851.2
22.5°	1803.4	1808.0	1817.1	1842.1	1844.4
25°	1785.2	1792.0	1808.0	1828.5	1837.6
27.5°	1762.4	1776.1	1789.7	1814.8	1823.9
30°	1737.4	1751.0	1771.5	1798.9	1805.7
32.5°	1710.0	1723.7	1746.5	1776.1	1782.9
35°	1669.1	1687.3	1716.9	1748.8	1753.3
37.5°	1632.6	1650.8	1682.7	1716.9	1723.7
40°	1582.5	1605.3	1639.5	1671.3	1685.0
42.5°	1523.3	1546.1	1582.5	1621.2	1634.9
45°	1441.4	1466.4	1509.7	1550.7	1566.6
47.5°	1361.7	1384.4	1432.2	1480.1	1491.5
50°	1277.4	1304.7	1357.1	1407.2	1418.6
52.5°	1188.6	1222.8	1279.7	1332.1	1350.3
55°	1104.4	1136.2	1200.0	1254.6	1275.1
57.5°	1011.0	1049.7	1120.3	1179.5	1197.7
60°	929.0	963.2	1038.3	1099.8	1118.0
62.5°	833.4	874.4	956.4	1017.8	1033.8
65°	746.9	785.6	872.1	935.9	951.8
67.5°	653.5	699.0	785.6	851.6	876.7
70°	562.4	610.2	701.3	769.6	794.7
72.5°	471.3	523.7	614.8	685.4	717.3
75°	382.5	437.2	532.8	603.4	617.1
77.5°	293.7	355.2	446.3	496.4	496.4
80°	211.8	273.2	352.9	366.6	378.0
82.5°	141.2	198.1	241.4	255.0	257.3
85°	77.4	120.7	132.1	132.1	123.0
87.5°	29.6	38.7	27.3	13.7	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)