

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: P302358

Luminaire Tested: **RX-WO-65L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302358
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-65L830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

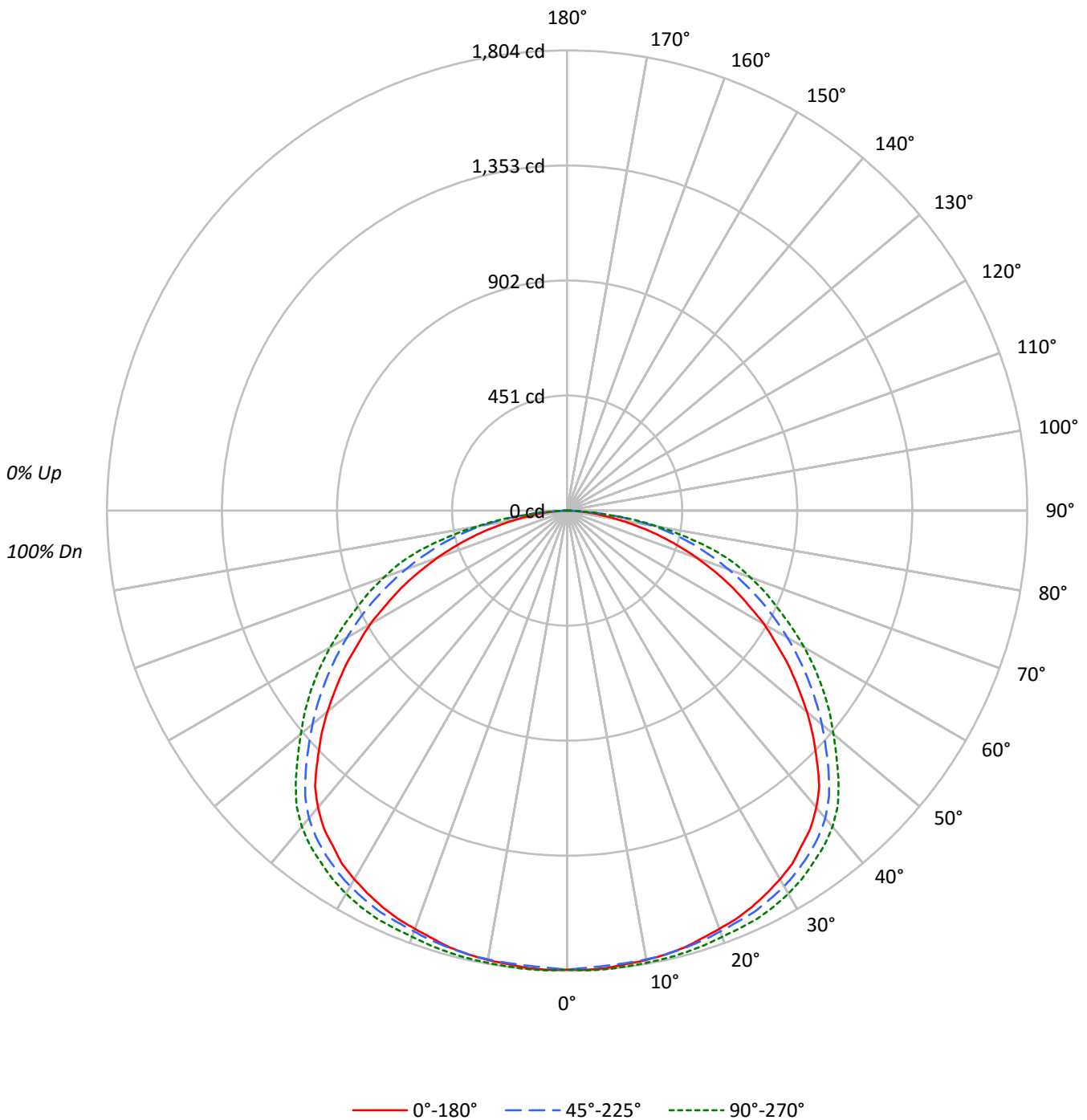
Lumens per Lamp: N/A
Luminaire Lumens: 6129.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (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



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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°	2422	2422	2422
5°	2431	2419	2437
10°	2444	2441	2459
15°	2471	2474	2498
20°	2499	2514	2546
25°	2545	2578	2620
30°	2592	2643	2694
35°	2633	2708	2766
40°	2670	2766	2842
45°	2634	2759	2863
50°	2568	2728	2852
55°	2488	2704	2873
60°	2401	2683	2890
65°	2284	2667	2910
70°	2125	2650	3002
75°	1910	2660	3081
80°	1576	2627	2813
85°	1149	1958	1823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.5	2.8
10°-20°	504.0	8.2
20°-30°	802.7	13.1
30°-40°	1031.9	16.8
40°-50°	1115.8	18.2
50°-60°	1026.4	16.7
60°-70°	818.3	13.4
70°-80°	519.9	8.5
80°-90°	138.5	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°	1478.1	24.1
0°-40°	2510.0	41.0
0°-60°	4652.3	75.9
0°-90°	6129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1800	1800	1791	1802	1804	171
15°	1774	1776	1776	1791	1793	501
25°	1714	1721	1736	1756	1765	791
35°	1603	1620	1649	1680	1684	1005
45°	1384	1408	1450	1489	1505	1067
55°	1061	1091	1152	1205	1225	946
65°	717	754	838	899	914	708
75°	367	420	512	580	593	389
85°	74	116	127	127	118	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1799.8	1799.8	1799.8	1799.8	1799.8
2.5°	1802.0	1802.0	1793.3	1804.2	1804.2
5°	1799.8	1799.8	1791.1	1802.0	1804.2
7.5°	1793.3	1795.4	1788.9	1799.8	1802.0
10°	1788.9	1791.1	1786.7	1797.6	1799.8
12.5°	1782.3	1784.5	1782.3	1795.4	1797.6
15°	1773.6	1775.8	1775.8	1791.1	1793.3
17.5°	1758.3	1762.6	1767.0	1784.5	1786.7
20°	1745.1	1749.5	1756.1	1775.8	1778.0
22.5°	1732.0	1736.4	1745.1	1769.2	1771.4
25°	1714.5	1721.1	1736.4	1756.1	1764.8
27.5°	1692.7	1705.8	1718.9	1743.0	1751.7
30°	1668.6	1681.7	1701.4	1727.7	1734.2
32.5°	1642.4	1655.5	1677.4	1705.8	1712.3
35°	1603.0	1620.5	1648.9	1679.5	1683.9
37.5°	1568.0	1585.5	1616.1	1648.9	1655.5
40°	1519.9	1541.8	1574.6	1605.2	1618.3
42.5°	1463.0	1484.9	1519.9	1557.1	1570.2
45°	1384.3	1408.4	1449.9	1489.3	1504.6
47.5°	1307.8	1329.6	1375.6	1421.5	1432.4
50°	1226.9	1253.1	1303.4	1351.5	1362.4
52.5°	1141.6	1174.4	1229.0	1279.3	1296.8
55°	1060.6	1091.3	1152.5	1205.0	1224.7
57.5°	971.0	1008.2	1076.0	1132.8	1150.3
60°	892.3	925.1	997.2	1056.3	1073.8
62.5°	800.4	839.8	918.5	977.5	992.9
65°	717.3	754.5	837.6	898.8	914.1
67.5°	627.6	671.4	754.5	817.9	842.0
70°	540.2	586.1	673.6	739.2	763.2
72.5°	452.7	503.0	590.5	658.3	688.9
75°	367.4	419.9	511.7	579.5	592.7
77.5°	282.1	341.2	428.6	476.7	476.7
80°	203.4	262.4	339.0	352.1	363.0
82.5°	135.6	190.3	231.8	244.9	247.1
85°	74.4	115.9	126.8	126.8	118.1
87.5°	28.4	37.2	26.2	13.1	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)