

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: P302245

Luminaire Tested: **RX-WO-45H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-45H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

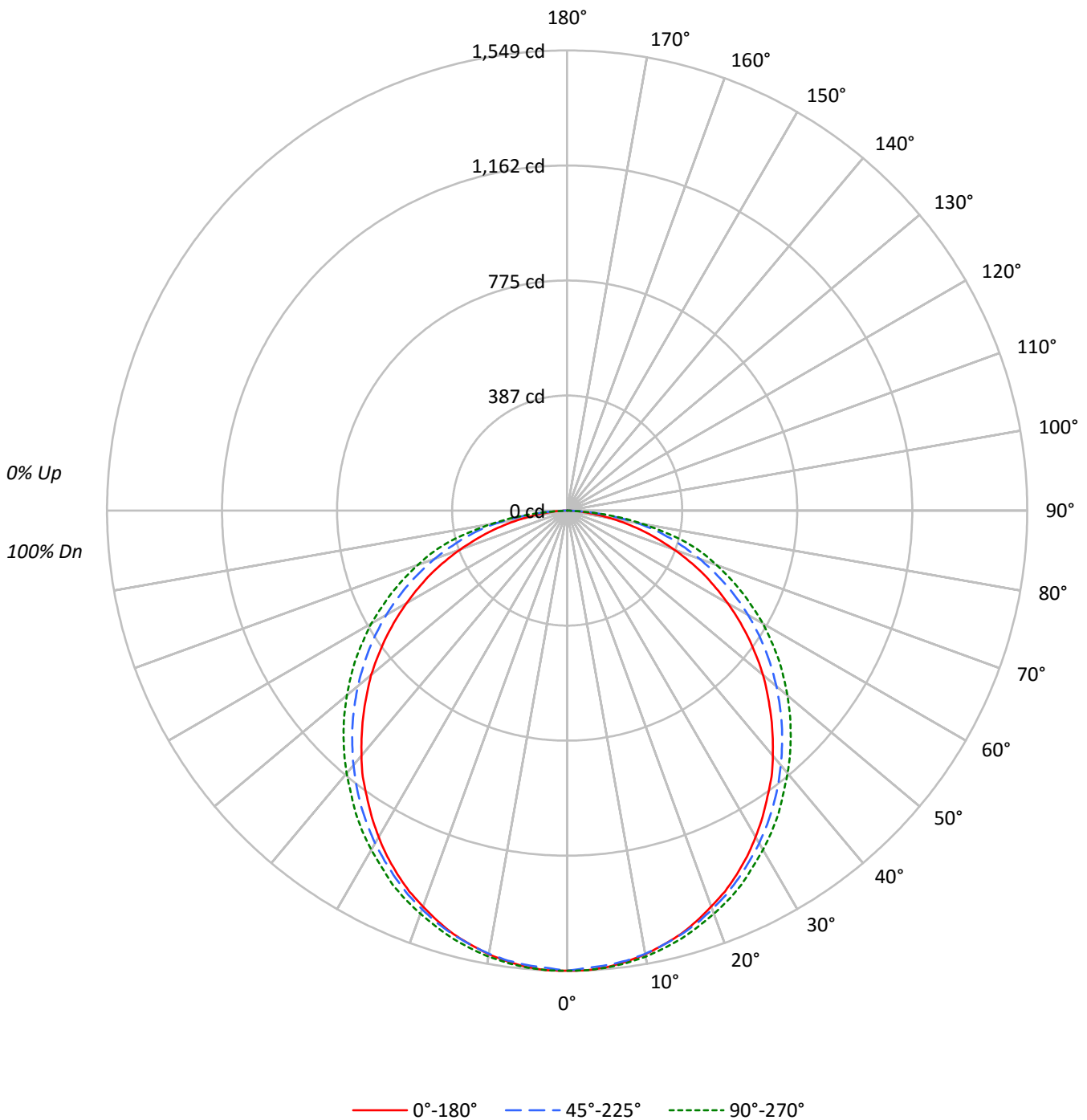
Lumens per Lamp: N/A
Luminaire Lumens: 4508.5 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2084	2084	2084
5°	2083	2075	2086
10°	2072	2070	2083
15°	2057	2059	2077
20°	2031	2045	2068
25°	2006	2027	2063
30°	1971	2009	2049
35°	1931	1989	2039
40°	1892	1965	2028
45°	1844	1945	2025
50°	1803	1924	2026
55°	1745	1907	2036
60°	1681	1893	2049
65°	1615	1876	2066
70°	1507	1862	2103
75°	1373	1867	2168
80°	1135	1846	1996
85°	871	1467	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	3.2
10°-20°	418.2	9.3
20°-30°	630.8	14.0
30°-40°	757.3	16.8
40°-50°	787.6	17.5
50°-60°	724.4	16.1
60°-70°	577.3	12.8
70°-80°	365.8	8.1
80°-90°	100.6	2.2
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°	1195.4	26.5
0°-40°	1952.8	43.3
0°-60°	3464.8	76.8
0°-90°	4508.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4508.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1542	1542	1536	1544	1544	146
15°	1476	1476	1478	1489	1491	416
25°	1351	1357	1365	1385	1390	622
35°	1175	1188	1211	1233	1241	736
45°	969	990	1022	1055	1064	748
55°	744	768	813	853	868	665
65°	507	533	589	634	649	500
75°	264	298	359	404	417	278
85°	56	80	95	93	92	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1548.9	1548.9	1548.9	1548.9	1548.9
2.5°	1548.9	1548.9	1540.9	1548.9	1548.9
5°	1542.5	1542.5	1536.0	1544.1	1544.1
7.5°	1531.2	1532.8	1528.0	1536.0	1536.0
10°	1516.7	1518.3	1515.1	1524.8	1524.8
12.5°	1497.4	1499.0	1497.4	1508.7	1508.7
15°	1476.5	1476.5	1478.1	1489.3	1490.9
17.5°	1449.1	1452.3	1455.5	1468.4	1468.4
20°	1418.5	1423.3	1428.2	1444.3	1444.3
22.5°	1387.9	1392.7	1399.2	1415.3	1418.5
25°	1350.9	1357.3	1365.4	1384.7	1389.5
27.5°	1312.2	1317.1	1329.9	1350.9	1352.5
30°	1268.8	1276.8	1292.9	1313.8	1318.7
32.5°	1223.7	1234.9	1252.7	1276.8	1281.6
35°	1175.4	1188.2	1210.8	1233.3	1241.4
37.5°	1130.3	1139.9	1165.7	1191.5	1196.3
40°	1077.2	1091.6	1119.0	1148.0	1154.4
42.5°	1024.0	1040.1	1070.7	1099.7	1111.0
45°	969.3	990.2	1022.4	1054.6	1064.3
47.5°	914.5	937.1	970.9	1006.3	1017.6
50°	861.4	882.3	919.4	956.4	967.7
52.5°	801.8	826.0	866.2	906.5	917.8
55°	743.9	768.0	813.1	853.3	867.8
57.5°	684.3	711.7	758.4	800.2	813.1
60°	624.7	653.7	703.6	745.5	761.6
62.5°	565.1	592.5	647.3	689.1	703.6
65°	507.2	532.9	589.3	634.4	648.9
67.5°	444.4	473.4	531.3	578.0	590.9
70°	383.2	412.2	473.4	521.7	534.6
72.5°	320.4	354.2	415.4	462.1	479.8
75°	264.1	297.9	359.1	404.1	417.0
77.5°	204.5	238.3	301.1	333.3	334.9
80°	146.5	185.2	238.3	251.2	257.6
82.5°	96.6	133.6	164.2	180.3	180.3
85°	56.4	80.5	95.0	93.4	91.8
87.5°	20.9	27.4	22.5	16.1	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)