

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: P302173

Luminaire Tested: **RX-WO-44L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

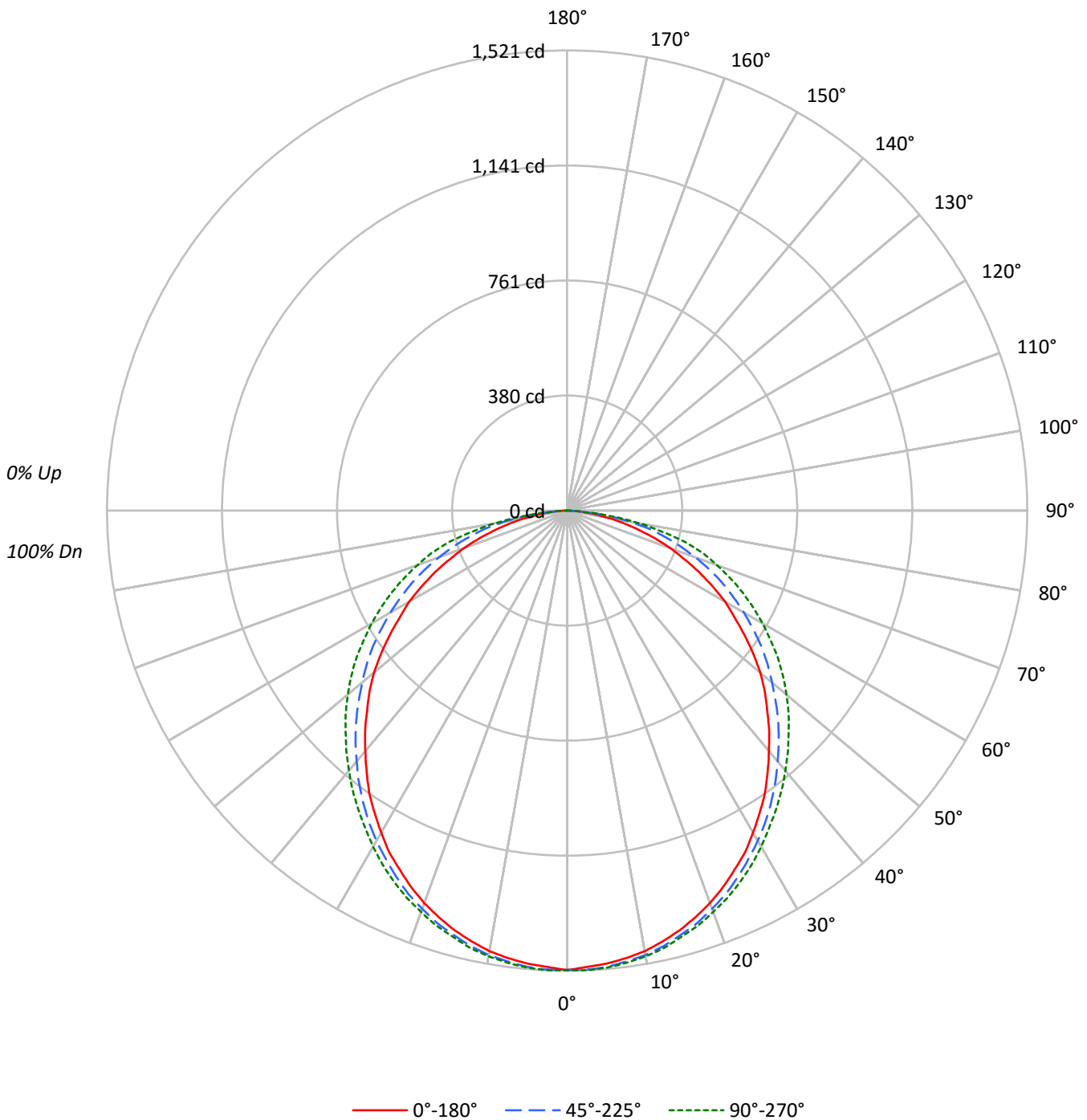
Lumens per Lamp: N/A
Luminaire Lumens: 4347.6 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4087	4087	4087
5°	4060	4090	4096
10°	4040	4077	4089
15°	4001	4045	4063
20°	3953	4011	4043
25°	3888	3967	4020
30°	3819	3916	3985
35°	3745	3862	3957
40°	3645	3802	3942
45°	3559	3754	3940
50°	3486	3701	3962
55°	3354	3677	3991
60°	3247	3631	4014
65°	3063	3601	4069
70°	2855	3539	4135
75°	2523	3473	4214
80°	2104	3243	3761
85°	1581	2201	1995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	3.3
10°-20°	409.1	9.4
20°-30°	614.7	14.1
30°-40°	734.5	16.9
40°-50°	761.6	17.5
50°-60°	699.5	16.1
60°-70°	555.5	12.8
70°-80°	344.8	7.9
80°-90°	84.3	1.9
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°	1167.4	26.9
0°-40°	1901.9	43.7
0°-60°	3363.0	77.4
0°-90°	4347.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4347.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1503	1508	1514	1516	1516	143
15°	1436	1441	1452	1458	1458	405
25°	1309	1318	1336	1352	1354	604
35°	1140	1151	1176	1198	1205	712
45°	935	949	986	1024	1035	723
55°	715	733	784	833	851	640
65°	481	503	566	619	639	476
75°	243	274	334	385	405	259
85°	51	62	71	69	65	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1518.6	1518.6	1518.6	1518.6	1518.6
2.5°	1509.7	1511.9	1518.6	1523.1	1520.8
5°	1503.0	1507.5	1514.1	1516.4	1516.4
7.5°	1491.9	1496.3	1503.0	1507.5	1507.5
10°	1478.5	1483.0	1491.9	1496.3	1496.3
12.5°	1458.5	1462.9	1474.1	1478.5	1480.7
15°	1436.2	1440.7	1451.8	1458.5	1458.5
17.5°	1409.5	1416.2	1429.5	1436.2	1438.4
20°	1380.5	1387.2	1400.6	1409.5	1411.7
22.5°	1347.1	1353.8	1371.6	1382.8	1385.0
25°	1309.3	1318.2	1336.0	1351.6	1353.8
27.5°	1273.7	1280.3	1298.2	1313.7	1320.4
30°	1229.1	1240.3	1260.3	1278.1	1282.6
32.5°	1184.6	1198.0	1220.2	1240.3	1242.5
35°	1140.1	1151.2	1175.7	1198.0	1204.6
37.5°	1088.8	1100.0	1131.2	1155.7	1164.6
40°	1037.6	1053.2	1082.2	1111.1	1122.3
42.5°	988.6	1004.2	1035.4	1068.8	1079.9
45°	935.2	948.6	986.4	1024.3	1035.4
47.5°	886.2	897.4	935.2	979.7	993.1
50°	832.8	841.7	884.0	933.0	946.3
52.5°	774.9	788.2	835.0	884.0	899.6
55°	714.8	732.6	783.8	832.8	850.6
57.5°	654.6	674.7	728.1	781.6	797.2
60°	603.4	616.8	674.7	728.1	745.9
62.5°	541.1	561.1	619.0	674.7	692.5
65°	481.0	503.2	565.6	619.0	639.1
67.5°	418.6	445.3	509.9	561.1	583.4
70°	362.9	389.7	449.8	503.2	525.5
72.5°	302.8	331.8	391.9	447.6	472.1
75°	242.7	273.9	334.0	385.2	405.3
77.5°	189.3	220.4	276.1	311.7	320.6
80°	135.8	162.5	209.3	233.8	242.7
82.5°	91.3	111.3	142.5	151.4	155.9
85°	51.2	62.3	71.3	69.0	64.6
87.5°	22.3	17.8	15.6	6.7	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)