

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: P302361

Luminaire Tested: **RX-WO-30L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302361
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-30L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

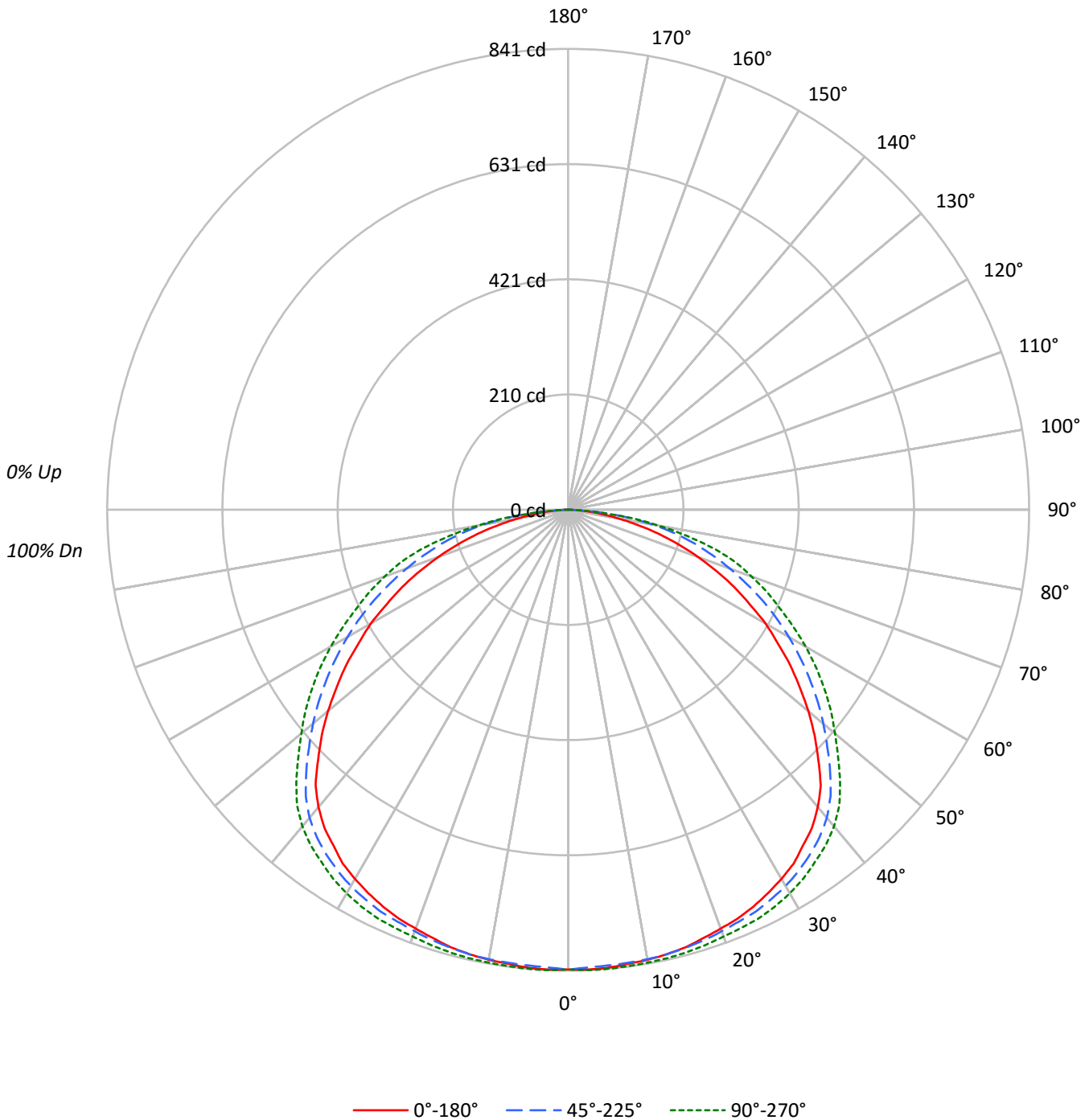
Lumens per Lamp: N/A
Luminaire Lumens: 2857.3 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
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



TEST NUMBER: P302361
CATALOG NUMBER: RX-WO-30L835-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302361

CATALOG NUMBER: RX-WO-30L835-UNV-24-STD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1129	1129	1129
5°	1133	1128	1136
10°	1139	1138	1146
15°	1152	1153	1165
20°	1165	1172	1187
25°	1187	1202	1222
30°	1209	1232	1256
35°	1227	1263	1289
40°	1245	1289	1325
45°	1228	1286	1335
50°	1197	1272	1330
55°	1160	1260	1339
60°	1119	1251	1347
65°	1065	1243	1357
70°	991	1235	1400
75°	891	1240	1436
80°	735	1224	1311
85°	536	912	851



TEST NUMBER: P302361

CATALOG NUMBER: RX-WO-30L835-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	2.8
10°-20°	234.9	8.2
20°-30°	374.2	13.1
30°-40°	481.1	16.8
40°-50°	520.2	18.2
50°-60°	478.5	16.7
60°-70°	381.5	13.4
70°-80°	242.4	8.5
80°-90°	64.6	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°	689.1	24.1
0°-40°	1170.2	41.0
0°-60°	2168.9	75.9
0°-90°	2857.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2857.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	839	839	835	840	841	80
15°	827	828	828	835	836	234
25°	799	802	810	819	823	369
35°	747	756	769	783	785	468
45°	645	657	676	694	701	498
55°	494	509	537	562	571	441
65°	334	352	390	419	426	330
75°	171	196	239	270	276	181
85°	35	54	59	59	55	43
90°	0	0	0	0	0	



TEST NUMBER: P302361

CATALOG NUMBER: RX-WO-30L835-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.1	839.1	839.1	839.1	839.1
2.5°	840.1	840.1	836.0	841.1	841.1
5°	839.1	839.1	835.0	840.1	841.1
7.5°	836.0	837.0	834.0	839.1	840.1
10°	834.0	835.0	833.0	838.1	839.1
12.5°	830.9	831.9	830.9	837.0	838.1
15°	826.8	827.9	827.9	835.0	836.0
17.5°	819.7	821.7	823.8	831.9	833.0
20°	813.6	815.6	818.7	827.9	828.9
22.5°	807.5	809.5	813.6	824.8	825.8
25°	799.3	802.4	809.5	818.7	822.8
27.5°	789.1	795.2	801.4	812.6	816.6
30°	777.9	784.0	793.2	805.4	808.5
32.5°	765.7	771.8	782.0	795.2	798.3
35°	747.3	755.5	768.7	783.0	785.0
37.5°	731.0	739.2	753.4	768.7	771.8
40°	708.6	718.8	734.1	748.3	754.5
42.5°	682.1	692.3	708.6	725.9	732.0
45°	645.4	656.6	675.9	694.3	701.4
47.5°	609.7	619.9	641.3	662.7	667.8
50°	572.0	584.2	607.6	630.1	635.2
52.5°	532.2	547.5	573.0	596.4	604.6
55°	494.5	508.7	537.3	561.8	570.9
57.5°	452.7	470.0	501.6	528.1	536.3
60°	416.0	431.3	464.9	492.4	500.6
62.5°	373.1	391.5	428.2	455.7	462.9
65°	334.4	351.7	390.5	419.0	426.2
67.5°	292.6	313.0	351.7	381.3	392.5
70°	251.8	273.2	314.0	344.6	355.8
72.5°	211.0	234.5	275.3	306.9	321.2
75°	171.3	195.7	238.6	270.2	276.3
77.5°	131.5	159.0	199.8	222.3	222.3
80°	94.8	122.3	158.0	164.1	169.2
82.5°	63.2	88.7	108.1	114.2	115.2
85°	34.7	54.0	59.1	59.1	55.1
87.5°	13.3	17.3	12.2	6.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)