

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: P383955

Luminaire Tested: **22ID-35-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-35-L835-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

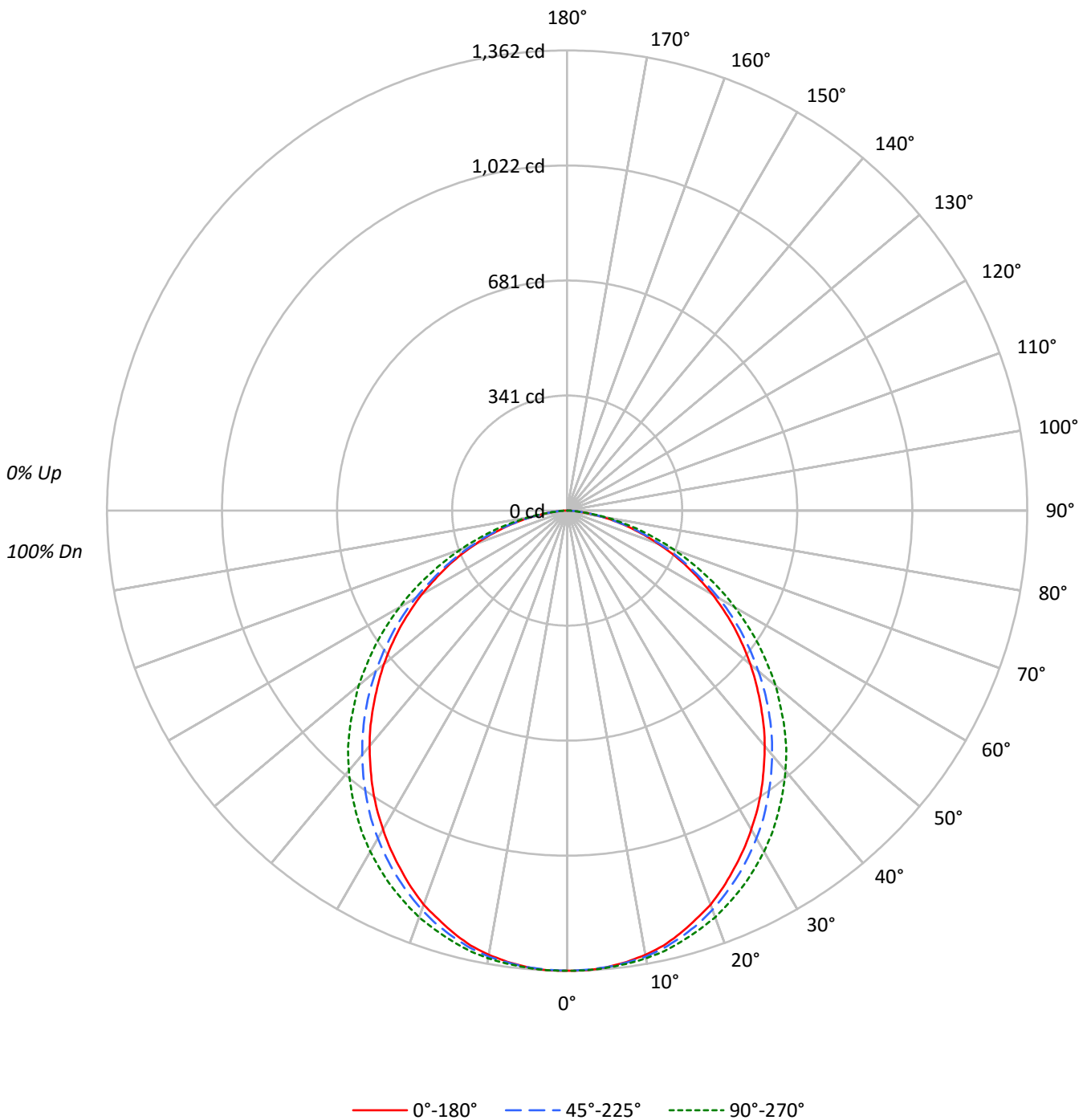
Lumens per Lamp: N/A  
Luminaire Lumens: 3595.2 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
Input Voltage (V): NR  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3665	3665	3665
5°	3664	3664	3669
10°	3648	3662	3677
15°	3609	3639	3674
20°	3554	3601	3668
25°	3472	3546	3648
30°	3387	3482	3622
35°	3296	3403	3580
40°	3196	3316	3531
45°	3078	3215	3462
50°	2964	3092	3371
55°	2831	2958	3246
60°	2676	2792	3083
65°	2489	2569	2879
70°	2253	2338	2637
75°	1967	2042	2304
80°	1592	1619	1815
85°	945	1056	889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	3.6
10°-20°	368.5	10.2
20°-30°	551.2	15.3
30°-40°	651.3	18.1
40°-50°	657.2	18.3
50°-60°	570.7	15.9
60°-70°	409.2	11.4
70°-80°	213.2	5.9
80°-90°	45.0	1.3
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°	1048.7	29.2
0°-40°	1699.9	47.3
0°-60°	2927.8	81.4
0°-90°	3595.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1356	1355	1356	1356	1358	129
15°	1295	1297	1306	1315	1319	365
25°	1169	1176	1194	1218	1229	539
35°	1003	1011	1036	1074	1090	627
45°	809	818	845	888	910	625
55°	604	609	630	672	692	539
65°	391	389	404	434	452	386
75°	189	187	196	211	222	202
85°	31	34	34	31	29	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1361.9	1361.9	1361.9	1361.9	1361.9
2.5°	1361.9	1360.1	1360.1	1360.1	1361.9
5°	1356.5	1354.7	1356.5	1356.5	1358.3
7.5°	1347.5	1345.7	1349.3	1351.1	1352.9
10°	1334.9	1334.9	1340.3	1343.9	1345.7
12.5°	1318.7	1318.7	1325.9	1331.3	1334.9
15°	1295.3	1297.1	1306.1	1315.1	1318.7
17.5°	1268.2	1273.6	1284.4	1297.1	1300.7
20°	1241.2	1244.8	1257.4	1273.6	1280.8
22.5°	1207.0	1212.4	1226.8	1248.4	1255.6
25°	1169.2	1176.4	1194.4	1217.8	1228.6
27.5°	1131.3	1136.7	1158.3	1185.4	1198.0
30°	1089.9	1097.1	1120.5	1151.1	1165.5
32.5°	1048.5	1053.9	1080.9	1113.3	1129.5
35°	1003.4	1010.6	1035.8	1073.7	1089.9
37.5°	956.6	965.6	990.8	1030.4	1048.5
40°	909.7	915.1	944.0	983.6	1005.2
42.5°	861.1	868.3	895.3	938.6	960.2
45°	808.9	817.9	844.9	888.1	909.7
47.5°	758.4	767.4	792.6	835.9	855.7
50°	708.0	713.4	738.6	781.8	805.3
52.5°	655.7	661.1	684.6	726.0	747.6
55°	603.5	608.9	630.5	671.9	691.8
57.5°	549.4	553.1	574.7	612.5	632.3
60°	497.2	499.0	518.8	553.1	572.9
62.5°	441.4	443.2	457.6	497.2	515.2
65°	390.9	389.1	403.5	434.2	452.2
67.5°	338.7	338.7	351.3	378.3	392.7
70°	286.4	286.4	297.2	320.7	335.1
72.5°	237.8	237.8	246.8	264.8	275.6
75°	189.2	187.4	196.4	210.8	221.6
77.5°	144.1	144.1	147.7	160.3	167.5
80°	102.7	102.7	104.5	111.7	117.1
82.5°	64.9	64.9	64.9	68.5	70.3
85°	30.6	34.2	34.2	30.6	28.8
87.5°	14.4	14.4	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)