

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: P385299

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-35-L835-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

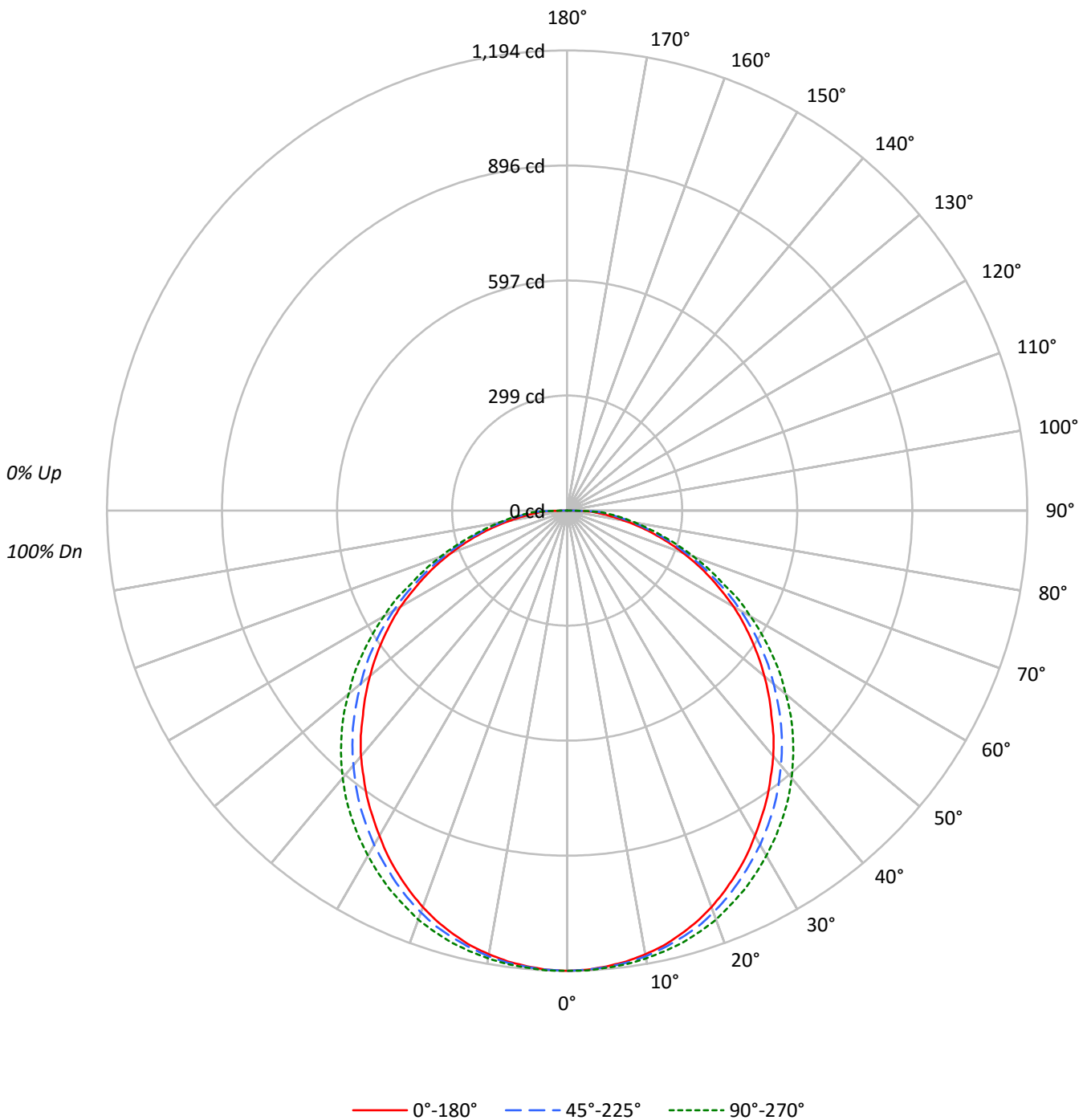
Lumens per Lamp: N/A  
Luminaire Lumens: 3463.7 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

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



TEST NUMBER: P385299  
CATALOG NUMBER: 22ID-35-L835-CNV

### Luminous Intensity Polar Plot





TEST NUMBER: P385299

CATALOG NUMBER: 22ID-35-L835-CNV

**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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	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	66	58	52	63	57	52	61	56	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	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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

	0°	45°	90°
0°	3214	3214	3214
5°	3183	3178	3193
10°	3148	3144	3177
15°	3102	3099	3161
20°	3044	3047	3139
25°	2970	2981	3104
30°	2889	2914	3065
35°	2812	2842	3025
40°	2732	2758	2975
45°	2632	2673	2911
50°	2545	2566	2819
55°	2447	2459	2718
60°	2346	2327	2584
65°	2209	2161	2403
70°	2041	1980	2237
75°	1843	1782	2043
80°	1573	1573	1876
85°	1339	1422	1795



TEST NUMBER: P385299

CATALOG NUMBER: 22ID-35-L835-CNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.0	3.3
10°-20°	323.8	9.3
20°-30°	488.7	14.1
30°-40°	586.5	16.9
40°-50°	607.0	17.5
50°-60°	549.9	15.9
60°-70°	423.7	12.2
70°-80°	262.2	7.6
80°-90°	108.9	3.1
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°	925.5	26.7
0°-40°	1512.0	43.7
0°-60°	2669.0	77.1
0°-90°	3463.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3463.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1187	1187	1189	1189	1191	113
15°	1138	1140	1147	1155	1160	321
25°	1039	1043	1059	1077	1086	479
35°	906	913	937	962	974	566
45°	749	760	785	814	829	579
55°	584	593	612	639	648	523
65°	409	412	425	443	445	404
75°	232	238	247	258	258	246
85°	85	94	108	115	114	91
90°	0	0	0	0	0	



TEST NUMBER: P385299

CATALOG NUMBER: 22ID-35-L835-CNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1192.4	1192.4	1192.4	1192.4	1194.2
5°	1187.0	1187.0	1188.8	1188.8	1190.6
7.5°	1179.8	1179.8	1183.4	1183.4	1187.0
10°	1169.0	1170.8	1174.4	1176.2	1179.8
12.5°	1156.4	1156.4	1161.8	1167.2	1170.8
15°	1138.4	1140.2	1147.4	1154.6	1160.0
17.5°	1118.6	1120.4	1131.2	1138.4	1145.6
20°	1095.1	1096.9	1109.6	1120.4	1129.4
22.5°	1068.1	1071.7	1086.1	1100.5	1107.8
25°	1039.3	1042.9	1059.1	1077.1	1086.1
27.5°	1008.7	1014.1	1030.3	1050.1	1060.9
30°	974.5	981.7	1001.5	1023.1	1033.9
32.5°	940.2	947.4	969.1	994.3	1005.1
35°	906.0	913.2	936.6	961.9	974.5
37.5°	868.2	875.4	900.6	927.6	942.0
40°	832.2	839.4	862.8	893.4	906.0
42.5°	792.5	799.7	825.0	853.8	868.2
45°	749.3	760.1	785.3	814.2	828.6
47.5°	709.7	718.7	742.1	772.7	787.1
50°	668.3	677.3	698.9	729.5	740.3
52.5°	626.8	635.8	657.4	686.3	697.1
55°	583.6	592.6	612.4	639.4	648.4
57.5°	542.2	549.4	567.4	592.6	599.8
60°	498.9	506.1	520.6	544.0	549.4
62.5°	452.1	457.5	473.7	495.3	502.5
65°	408.9	412.5	425.1	443.1	444.9
67.5°	363.8	367.5	380.1	392.7	398.1
70°	318.8	324.2	333.2	345.8	349.4
72.5°	275.6	281.0	290.0	300.8	302.6
75°	232.4	237.8	246.8	257.6	257.6
77.5°	190.9	196.3	207.1	216.1	216.1
80°	149.5	158.5	169.3	178.3	178.3
82.5°	115.3	122.5	136.9	144.1	144.1
85°	84.7	93.7	108.1	115.3	113.5
87.5°	61.2	70.2	82.9	88.3	86.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)