

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: P385300

Luminaire Tested: **22ID-35-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385300  
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-L840-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

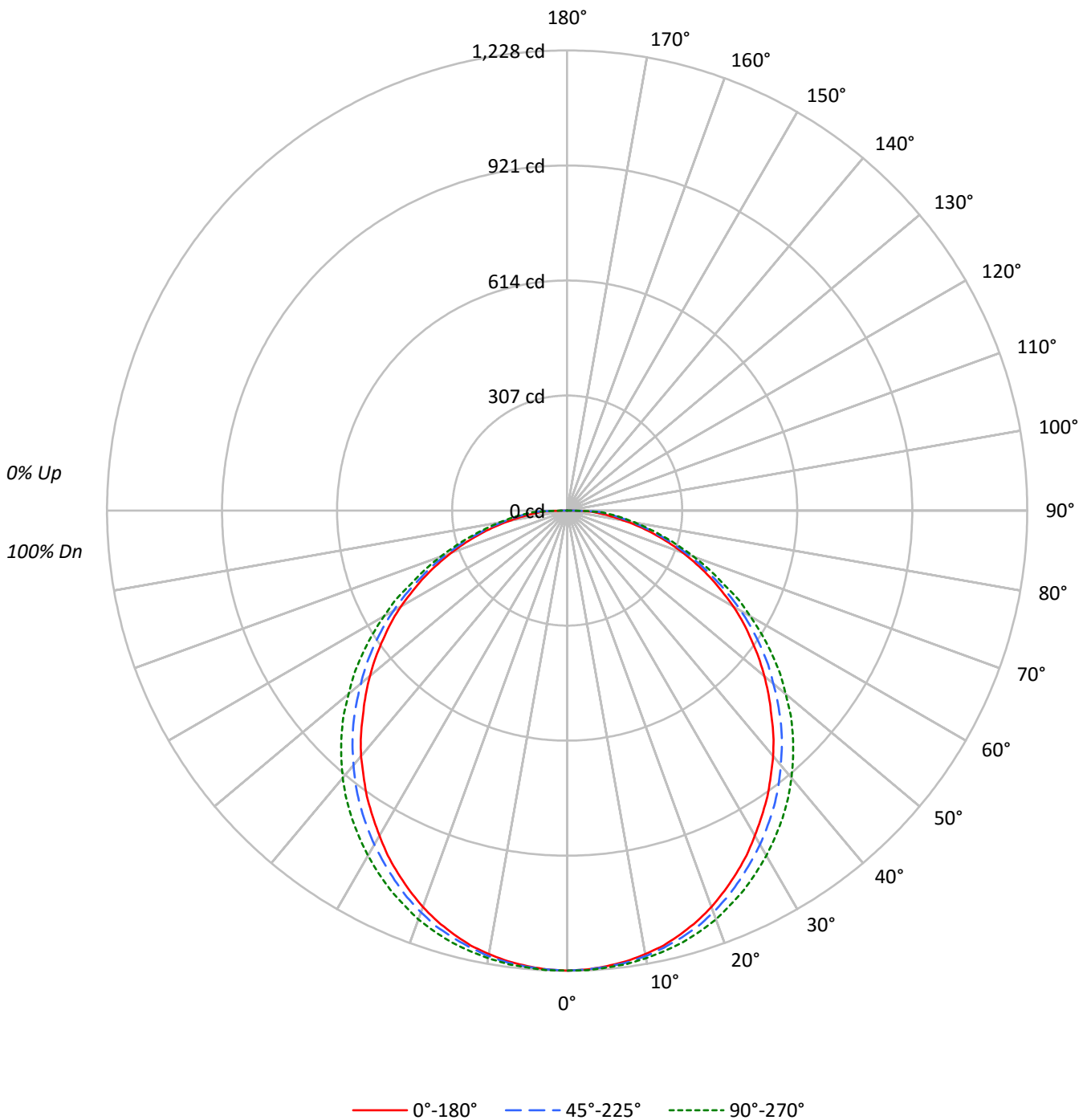
Lumens per Lamp: N/A  
Luminaire Lumens: 3560.8 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 28.4  
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: P385300  
CATALOG NUMBER: 22ID-35-L840-CNV

### Luminous Intensity Polar Plot





TEST NUMBER: P385300

CATALOG NUMBER: 22ID-35-L840-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°	3304	3304	3304
5°	3272	3268	3282
10°	3236	3232	3266
15°	3189	3185	3250
20°	3129	3132	3227
25°	3054	3064	3191
30°	2970	2995	3151
35°	2891	2922	3110
40°	2809	2835	3058
45°	2706	2749	2992
50°	2616	2637	2898
55°	2516	2528	2795
60°	2412	2392	2656
65°	2270	2221	2471
70°	2099	2036	2300
75°	1895	1832	2100
80°	1617	1617	1929
85°	1376	1462	1845



TEST NUMBER: P385300

CATALOG NUMBER: 22ID-35-L840-CNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.2	3.3
10°-20°	332.9	9.3
20°-30°	502.4	14.1
30°-40°	603.0	16.9
40°-50°	624.0	17.5
50°-60°	565.3	15.9
60°-70°	435.5	12.2
70°-80°	269.5	7.6
80°-90°	111.9	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°	951.4	26.7
0°-40°	1554.4	43.7
0°-60°	2743.8	77.1
0°-90°	3560.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3560.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1220	1220	1222	1222	1224	116
15°	1170	1172	1180	1187	1192	330
25°	1068	1072	1089	1107	1117	492
35°	931	939	963	989	1002	582
45°	770	781	807	837	852	596
55°	600	609	630	657	667	537
65°	420	424	437	456	457	416
75°	239	244	254	265	265	253
85°	87	96	111	118	117	94
90°	0	0	0	0	0	



TEST NUMBER: P385300

CATALOG NUMBER: 22ID-35-L840-CNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1227.7	1227.7	1227.7	1227.7	1227.7
2.5°	1225.8	1225.8	1225.8	1225.8	1227.7
5°	1220.3	1220.3	1222.1	1222.1	1224.0
7.5°	1212.9	1212.9	1216.6	1216.6	1220.3
10°	1201.8	1203.6	1207.3	1209.2	1212.9
12.5°	1188.8	1188.8	1194.4	1199.9	1203.6
15°	1170.3	1172.1	1179.5	1187.0	1192.5
17.5°	1149.9	1151.8	1162.9	1170.3	1177.7
20°	1125.8	1127.7	1140.7	1151.8	1161.0
22.5°	1098.1	1101.8	1116.6	1131.4	1138.8
25°	1068.4	1072.1	1088.8	1107.3	1116.6
27.5°	1037.0	1042.5	1059.2	1079.6	1090.7
30°	1001.8	1009.2	1029.6	1051.8	1062.9
32.5°	966.6	974.0	996.2	1022.2	1033.3
35°	931.4	938.8	962.9	988.8	1001.8
37.5°	892.5	899.9	925.9	953.6	968.5
40°	855.5	862.9	887.0	918.5	931.4
42.5°	814.8	822.2	848.1	877.7	892.5
45°	770.3	781.4	807.4	837.0	851.8
47.5°	729.6	738.8	762.9	794.4	809.2
50°	687.0	696.2	718.5	749.9	761.1
52.5°	644.4	653.7	675.9	705.5	716.6
55°	600.0	609.2	629.6	657.4	666.6
57.5°	557.4	564.8	583.3	609.2	616.6
60°	512.9	520.3	535.1	559.2	564.8
62.5°	464.8	470.3	487.0	509.2	516.6
65°	420.3	424.0	437.0	455.5	457.4
67.5°	374.0	377.8	390.7	403.7	409.2
70°	327.8	333.3	342.6	355.5	359.2
72.5°	283.3	288.9	298.1	309.2	311.1
75°	238.9	244.4	253.7	264.8	264.8
77.5°	196.3	201.8	212.9	222.2	222.2
80°	153.7	163.0	174.1	183.3	183.3
82.5°	118.5	125.9	140.7	148.1	148.1
85°	87.0	96.3	111.1	118.5	116.7
87.5°	63.0	72.2	85.2	90.7	88.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)