

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: P385076

Luminaire Tested: **14ID-35-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-35-L840-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

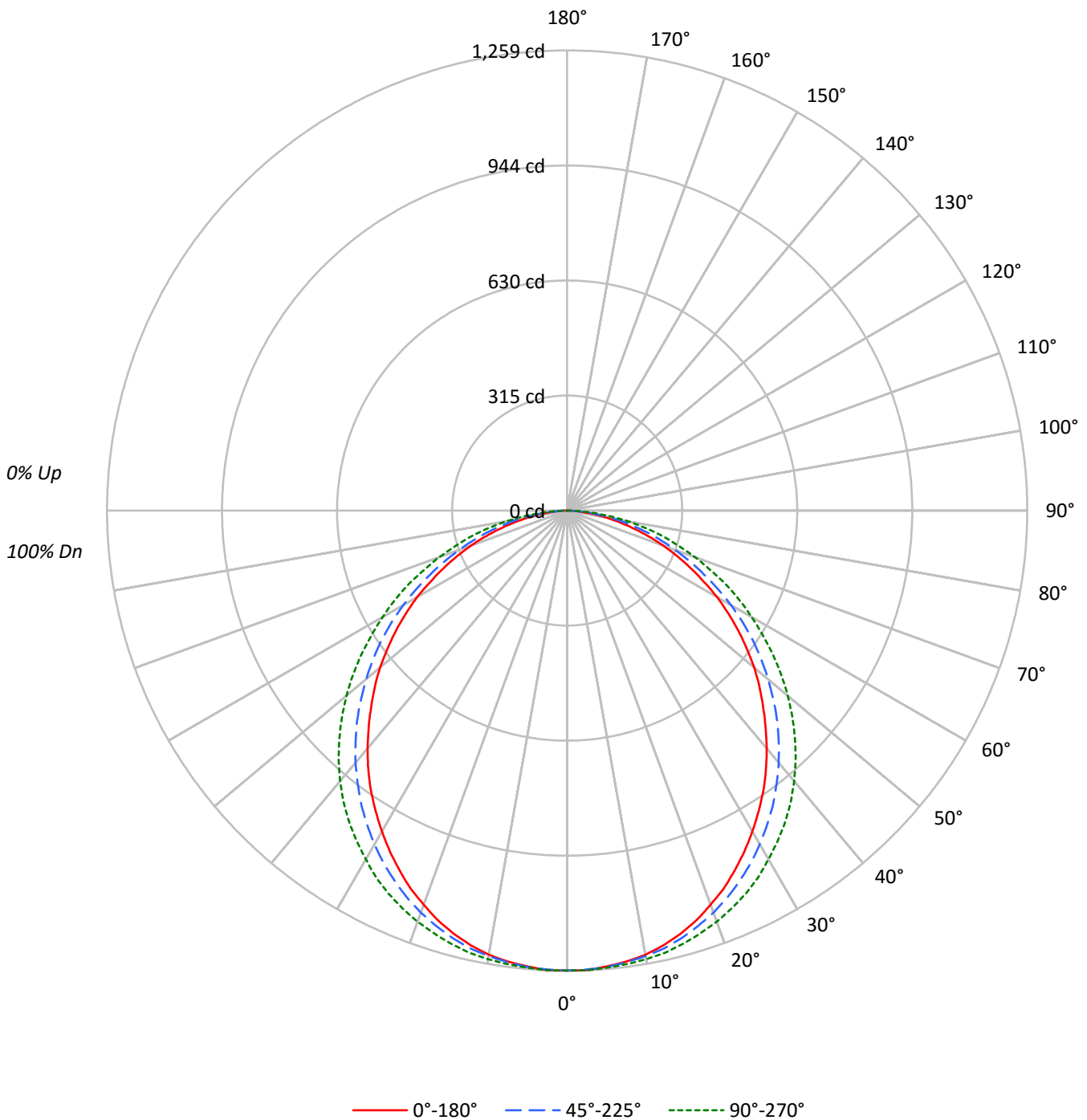
Lumens per Lamp: N/A
Luminaire Lumens: 3494.4 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3387	3387	3387
5°	3381	3385	3390
10°	3372	3381	3405
15°	3339	3374	3418
20°	3286	3352	3428
25°	3224	3318	3433
30°	3149	3275	3423
35°	3075	3225	3416
40°	2984	3164	3393
45°	2885	3092	3354
50°	2797	3003	3298
55°	2679	2911	3225
60°	2552	2789	3140
65°	2379	2627	3053
70°	2191	2469	2926
75°	1942	2290	2804
80°	1640	2049	2596
85°	1198	1578	2069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	3.4
10°-20°	341.8	9.8
20°-30°	515.5	14.8
30°-40°	615.4	17.6
40°-50°	629.0	18.0
50°-60°	557.7	16.0
60°-70°	415.8	11.9
70°-80°	237.5	6.8
80°-90°	62.7	1.8
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°	976.4	27.9
0°-40°	1591.8	45.6
0°-60°	2778.5	79.5
0°-90°	3494.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3494.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1252	1252	1253	1253	1255	119
15°	1199	1202	1211	1222	1227	338
25°	1086	1095	1118	1142	1156	500
35°	936	948	982	1021	1040	585
45°	758	774	813	857	881	586
55°	571	582	620	664	687	510
65°	374	382	412	455	480	370
75°	187	196	220	254	270	199
85°	39	40	51	64	67	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1258.6	1258.6	1258.6	1258.6	1258.6
2.5°	1258.6	1256.8	1256.8	1256.8	1258.6
5°	1251.5	1251.5	1253.3	1253.3	1255.0
7.5°	1244.5	1244.5	1246.2	1248.0	1251.5
10°	1233.9	1233.9	1237.4	1242.7	1246.2
12.5°	1218.0	1219.8	1226.8	1233.9	1239.2
15°	1198.6	1202.2	1211.0	1221.5	1226.8
17.5°	1175.7	1179.2	1191.6	1205.7	1212.7
20°	1147.5	1154.6	1170.4	1188.1	1196.9
22.5°	1119.3	1126.4	1145.7	1166.9	1177.5
25°	1085.8	1094.6	1117.5	1142.2	1156.3
27.5°	1050.6	1061.1	1087.6	1115.8	1131.6
30°	1013.5	1025.9	1054.1	1085.8	1101.7
32.5°	974.8	987.1	1018.8	1054.1	1071.7
35°	936.0	948.3	981.8	1020.6	1040.0
37.5°	893.7	906.0	941.3	983.6	1004.7
40°	849.6	863.7	900.7	943.0	966.0
42.5°	803.8	819.7	856.7	902.5	925.4
45°	758.0	773.8	812.6	856.7	881.3
47.5°	713.9	726.2	765.0	810.8	835.5
50°	668.1	678.6	717.4	763.2	787.9
52.5°	618.7	632.8	669.8	715.7	738.6
55°	571.1	581.7	620.5	664.5	687.4
57.5°	521.8	532.3	569.3	613.4	634.6
60°	474.2	484.7	518.2	562.3	583.5
62.5°	421.3	431.9	465.4	511.2	532.3
65°	373.7	382.5	412.5	454.8	479.5
67.5°	326.1	334.9	363.1	403.7	423.0
70°	278.5	285.6	313.8	350.8	371.9
72.5°	232.7	239.7	267.9	301.4	319.0
75°	186.8	195.7	220.3	253.8	269.7
77.5°	144.5	153.4	174.5	204.5	218.6
80°	105.8	112.8	132.2	155.1	167.5
82.5°	70.5	75.8	89.9	109.3	118.1
85°	38.8	40.5	51.1	63.5	67.0
87.5°	15.9	15.9	19.4	21.2	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)