

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: P385133

Luminaire Tested: **22ID-35-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385133
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: 22ID-35-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

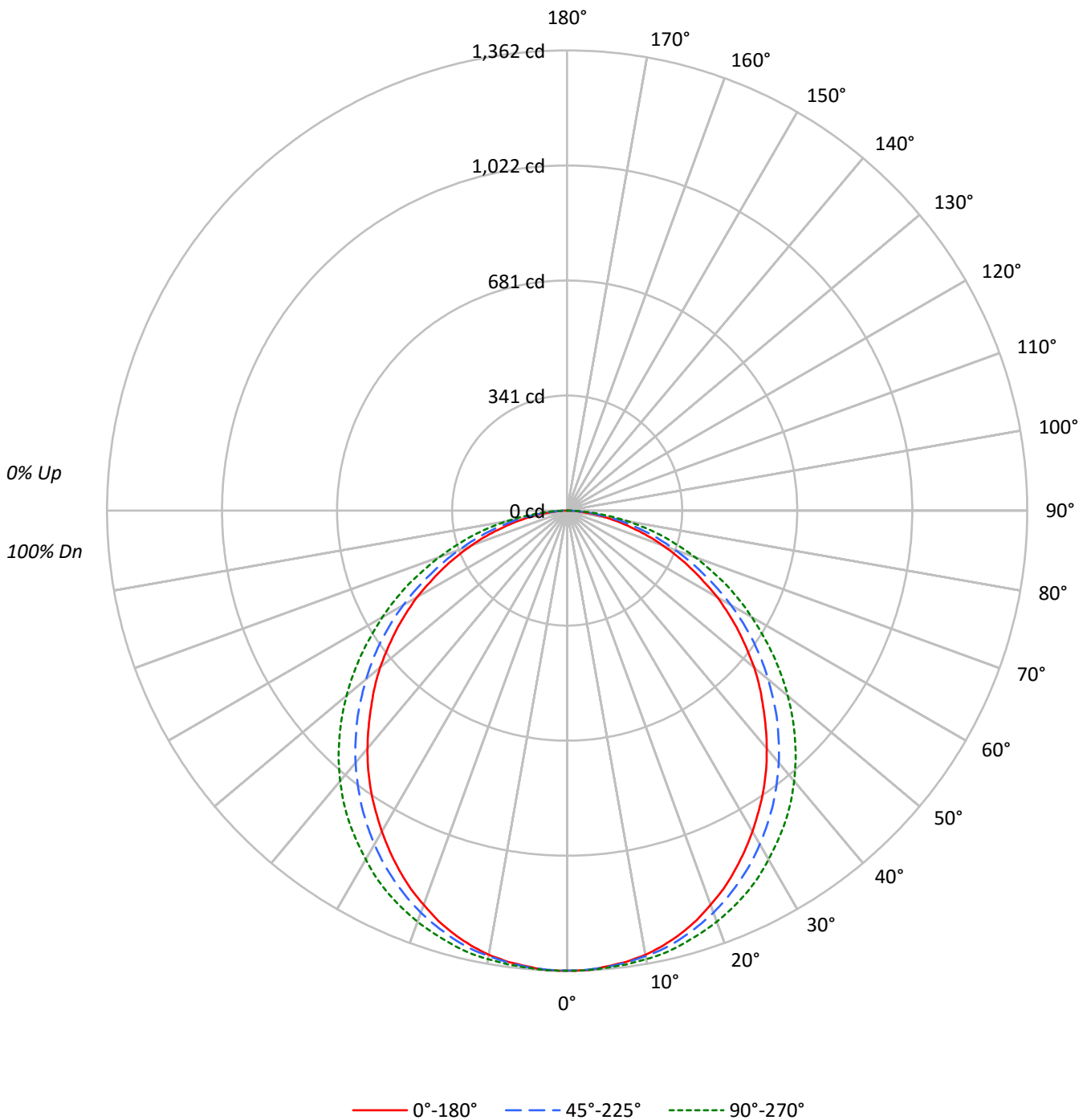
Lumens per Lamp: N/A
Luminaire Lumens: 3781.3 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	3665	3665	3665
5°	3658	3663	3669
10°	3648	3659	3685
15°	3613	3651	3699
20°	3556	3627	3709
25°	3489	3591	3715
30°	3408	3544	3704
35°	3327	3490	3697
40°	3230	3424	3672
45°	3121	3346	3629
50°	3026	3250	3569
55°	2899	3150	3490
60°	2761	3018	3398
65°	2575	2842	3303
70°	2371	2671	3167
75°	2102	2479	3034
80°	1773	2218	2808
85°	1297	1707	2238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.4
10°-20°	369.8	9.8
20°-30°	557.8	14.8
30°-40°	665.9	17.6
40°-50°	680.6	18.0
50°-60°	603.5	16.0
60°-70°	449.9	11.9
70°-80°	257.0	6.8
80°-90°	67.8	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°	1056.6	27.9
0°-40°	1722.5	45.6
0°-60°	3006.6	79.5
0°-90°	3781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1354	1354	1356	1356	1358	129
15°	1297	1301	1310	1322	1328	365
25°	1175	1184	1209	1236	1251	541
35°	1013	1026	1062	1104	1125	633
45°	820	837	879	927	954	634
55°	618	629	671	719	744	552
65°	404	414	446	492	519	401
75°	202	212	238	275	292	216
85°	42	44	55	69	72	52
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	1360.0	1360.0	1360.0	1361.9
5°	1354.3	1354.3	1356.2	1356.2	1358.1
7.5°	1346.6	1346.6	1348.5	1350.4	1354.3
10°	1335.2	1335.2	1339.0	1344.7	1348.5
12.5°	1318.0	1319.9	1327.6	1335.2	1340.9
15°	1297.0	1300.9	1310.4	1321.8	1327.6
17.5°	1272.2	1276.1	1289.4	1304.7	1312.3
20°	1241.7	1249.4	1266.5	1285.6	1295.1
22.5°	1211.2	1218.8	1239.8	1262.7	1274.2
25°	1175.0	1184.5	1209.3	1236.0	1251.3
27.5°	1136.8	1148.3	1176.9	1207.4	1224.6
30°	1096.8	1110.1	1140.6	1175.0	1192.1
32.5°	1054.8	1068.2	1102.5	1140.6	1159.7
35°	1012.8	1026.2	1062.4	1104.4	1125.4
37.5°	967.1	980.4	1018.6	1064.3	1087.2
40°	919.4	934.6	974.7	1020.5	1045.3
42.5°	869.8	886.9	927.0	976.6	1001.4
45°	820.2	837.4	879.3	927.0	953.7
47.5°	772.5	785.9	827.8	877.4	904.1
50°	722.9	734.4	776.3	825.9	852.6
52.5°	669.5	684.8	724.8	774.4	799.2
55°	618.0	629.4	671.4	719.1	743.9
57.5°	564.6	576.0	616.1	663.8	686.7
60°	513.1	524.5	560.8	608.5	631.4
62.5°	455.9	467.3	503.6	553.1	576.0
65°	404.4	413.9	446.3	492.1	518.8
67.5°	352.9	362.4	392.9	436.8	457.8
70°	301.4	309.0	339.5	379.6	402.5
72.5°	251.8	259.4	289.9	326.2	345.2
75°	202.2	211.7	238.4	274.7	291.8
77.5°	156.4	165.9	188.8	221.3	236.5
80°	114.4	122.1	143.1	167.9	181.2
82.5°	76.3	82.0	97.3	118.3	127.8
85°	42.0	43.9	55.3	68.7	72.5
87.5°	17.2	17.2	21.0	22.9	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)