

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: P383788

Luminaire Tested: **22ID-35-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

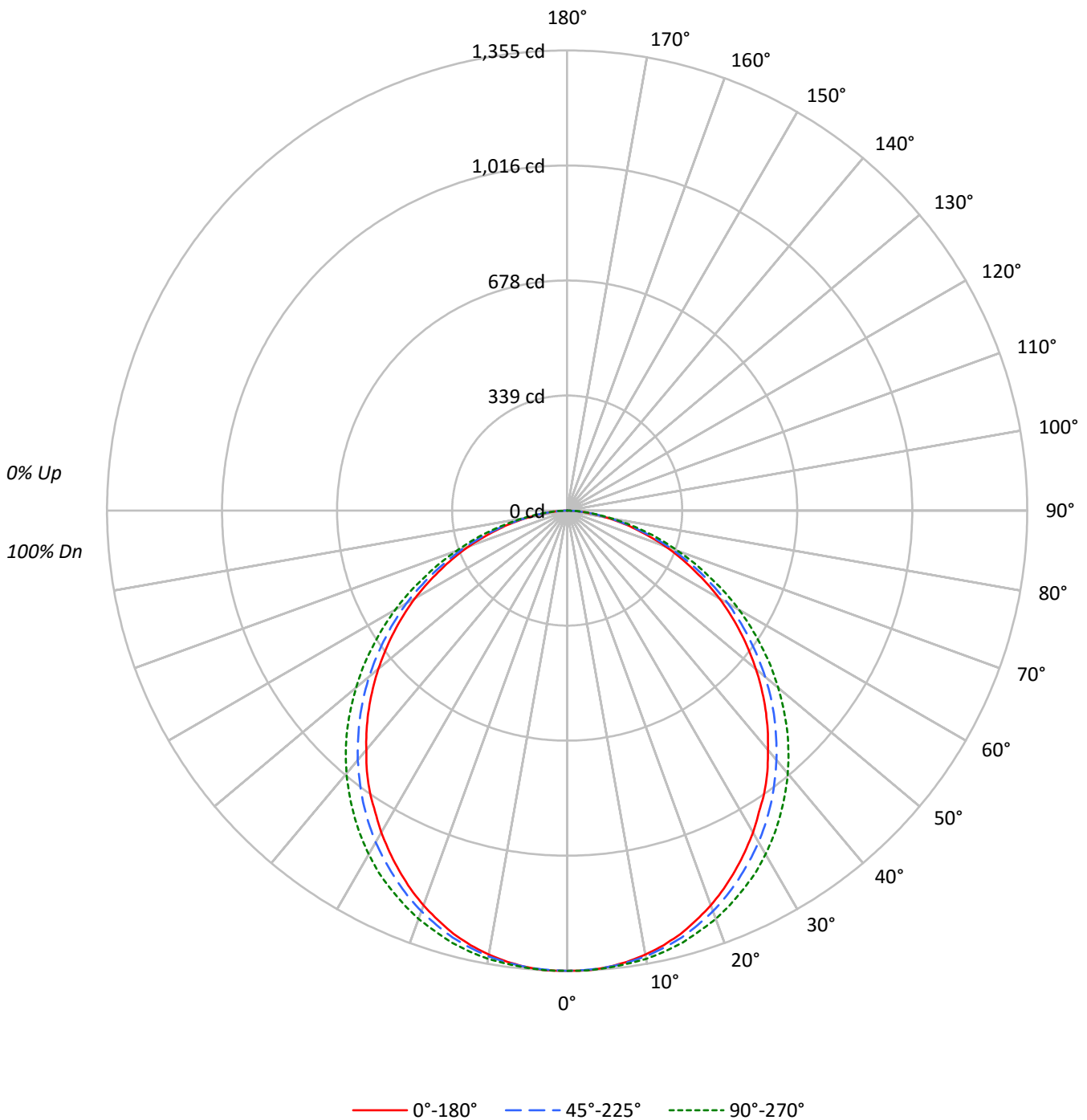
Lumens per Lamp: N/A
Luminaire Lumens: 3681.2 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3647	3647	3647
5°	3646	3646	3651
10°	3628	3643	3663
15°	3595	3626	3668
20°	3542	3595	3664
25°	3475	3552	3651
30°	3401	3504	3631
35°	3327	3443	3595
40°	3233	3370	3551
45°	3143	3284	3488
50°	3039	3186	3395
55°	2919	3067	3284
60°	2791	2940	3149
65°	2606	2759	2947
70°	2419	2549	2725
75°	2156	2272	2464
80°	1808	1894	2066
85°	1371	1371	1544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.5
10°-20°	367.1	10.0
20°-30°	551.9	15.0
30°-40°	656.6	17.8
40°-50°	668.1	18.1
50°-60°	588.0	16.0
60°-70°	431.3	11.7
70°-80°	234.1	6.4
80°-90°	55.9	1.5
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°	1047.3	28.4
0°-40°	1703.9	46.3
0°-60°	2959.9	80.4
0°-90°	3681.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3681.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1350	1348	1350	1350	1352	128
15°	1291	1292	1302	1309	1317	364
25°	1170	1178	1196	1217	1230	539
35°	1013	1020	1048	1080	1094	632
45°	826	833	863	900	917	637
55°	622	631	654	685	700	556
65°	409	417	433	452	463	407
75°	207	211	218	230	237	220
85°	44	44	44	48	50	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1355.4	1353.6	1353.6	1353.6	1355.4
5°	1349.9	1348.0	1349.9	1349.9	1351.7
7.5°	1340.6	1338.8	1342.5	1344.3	1346.2
10°	1327.7	1327.7	1333.2	1336.9	1340.6
12.5°	1311.0	1312.9	1318.4	1324.0	1329.5
15°	1290.6	1292.5	1301.7	1309.2	1316.6
17.5°	1264.7	1268.4	1279.5	1290.6	1298.0
20°	1236.9	1242.5	1255.5	1270.3	1279.5
22.5°	1205.5	1212.9	1227.7	1246.2	1255.5
25°	1170.3	1177.7	1196.2	1216.6	1229.5
27.5°	1133.2	1142.5	1162.9	1186.9	1201.8
30°	1094.4	1103.6	1127.7	1153.6	1168.4
32.5°	1051.8	1062.9	1088.8	1118.4	1133.2
35°	1012.9	1020.3	1048.1	1079.5	1094.4
37.5°	968.4	977.7	1003.6	1037.0	1053.6
40°	920.3	929.6	959.2	992.5	1011.0
42.5°	874.0	881.4	911.0	948.1	964.7
45°	825.9	833.3	862.9	899.9	916.6
47.5°	775.9	785.1	812.9	848.1	864.7
50°	725.9	733.3	761.1	794.4	811.0
52.5°	674.0	681.4	707.4	740.7	757.3
55°	622.2	631.4	653.7	685.1	699.9
57.5°	570.3	579.6	600.0	629.6	642.5
60°	518.5	525.9	546.3	572.2	585.1
62.5°	462.9	468.5	488.9	514.8	525.9
65°	409.2	416.6	433.3	451.8	462.9
67.5°	359.2	362.9	377.7	398.1	405.5
70°	307.4	311.1	324.0	340.7	346.3
72.5°	255.5	261.1	270.3	285.2	292.6
75°	207.4	211.1	218.5	229.6	237.0
77.5°	161.1	163.0	168.5	177.8	183.3
80°	116.7	118.5	122.2	129.6	133.3
82.5°	77.8	79.6	81.5	85.2	88.9
85°	44.4	44.4	44.4	48.1	50.0
87.5°	16.7	14.8	14.8	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)