

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: P383898

Luminaire Tested: **14ID-35-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-35-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

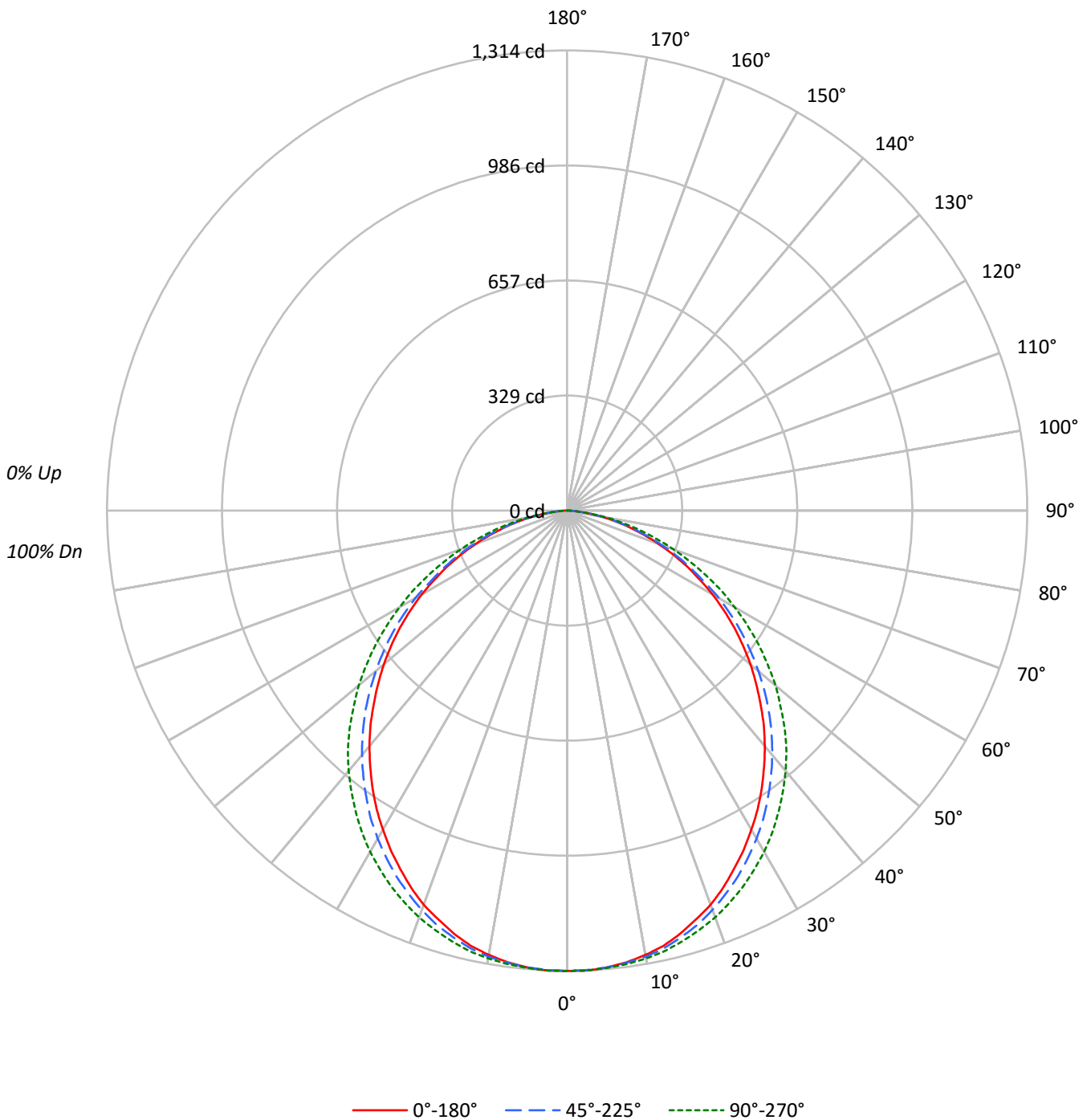
Lumens per Lamp: N/A
Luminaire Lumens: 3470.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3537	3537	3537
5°	3537	3537	3541
10°	3521	3535	3549
15°	3483	3512	3546
20°	3431	3475	3540
25°	3350	3423	3521
30°	3269	3361	3496
35°	3182	3284	3456
40°	3085	3201	3408
45°	2971	3103	3342
50°	2861	2984	3254
55°	2733	2855	3133
60°	2583	2695	2976
65°	2402	2480	2779
70°	2175	2257	2544
75°	1899	1970	2224
80°	1536	1562	1751
85°	914	1019	858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	3.6
10°-20°	355.7	10.2
20°-30°	532.0	15.3
30°-40°	628.6	18.1
40°-50°	634.3	18.3
50°-60°	550.8	15.9
60°-70°	395.0	11.4
70°-80°	205.8	5.9
80°-90°	43.4	1.3
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°	1012.1	29.2
0°-40°	1640.7	47.3
0°-60°	2825.8	81.4
0°-90°	3470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1314	1314	1314	1314	1314	
5°	1309	1308	1309	1309	1311	124
15°	1250	1252	1261	1269	1273	352
25°	1128	1135	1153	1175	1186	520
35°	968	975	1000	1036	1052	605
45°	781	789	816	857	878	603
55°	582	588	609	648	668	520
65°	377	376	390	419	436	373
75°	183	181	190	203	214	195
85°	30	33	33	30	28	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1314.5	1314.5	1314.5	1314.5	1314.5
2.5°	1314.5	1312.7	1312.7	1312.7	1314.5
5°	1309.3	1307.5	1309.3	1309.3	1311.0
7.5°	1300.6	1298.8	1302.3	1304.0	1305.8
10°	1288.4	1288.4	1293.6	1297.1	1298.8
12.5°	1272.8	1272.8	1279.7	1284.9	1288.4
15°	1250.1	1251.9	1260.6	1269.3	1272.8
17.5°	1224.1	1229.3	1239.7	1251.9	1255.4
20°	1198.0	1201.5	1213.6	1229.3	1236.2
22.5°	1165.0	1170.2	1184.1	1204.9	1211.9
25°	1128.4	1135.4	1152.8	1175.4	1185.8
27.5°	1091.9	1097.1	1118.0	1144.1	1156.3
30°	1051.9	1058.9	1081.5	1111.1	1125.0
32.5°	1011.9	1017.2	1043.2	1074.5	1090.2
35°	968.5	975.4	999.8	1036.3	1051.9
37.5°	923.3	932.0	956.3	994.6	1011.9
40°	878.1	883.3	911.1	949.3	970.2
42.5°	831.1	838.1	864.2	905.9	926.7
45°	780.7	789.4	815.5	857.2	878.1
47.5°	732.0	740.7	765.0	806.8	825.9
50°	683.3	688.5	712.9	754.6	777.2
52.5°	632.9	638.1	660.7	700.7	721.6
55°	582.5	587.7	608.6	648.5	667.7
57.5°	530.3	533.8	554.7	591.2	610.3
60°	479.9	481.6	500.8	533.8	552.9
62.5°	426.0	427.7	441.6	479.9	497.3
65°	377.3	375.6	389.5	419.0	436.4
67.5°	326.9	326.9	339.1	365.1	379.0
70°	276.5	276.5	286.9	309.5	323.4
72.5°	229.5	229.5	238.2	255.6	266.0
75°	182.6	180.8	189.5	203.4	213.9
77.5°	139.1	139.1	142.6	154.7	161.7
80°	99.1	99.1	100.8	107.8	113.0
82.5°	62.6	62.6	62.6	66.1	67.8
85°	29.6	33.0	33.0	29.6	27.8
87.5°	13.9	13.9	12.2	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)