

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: P383888

Luminaire Tested: **14ID-20-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383888
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-20-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

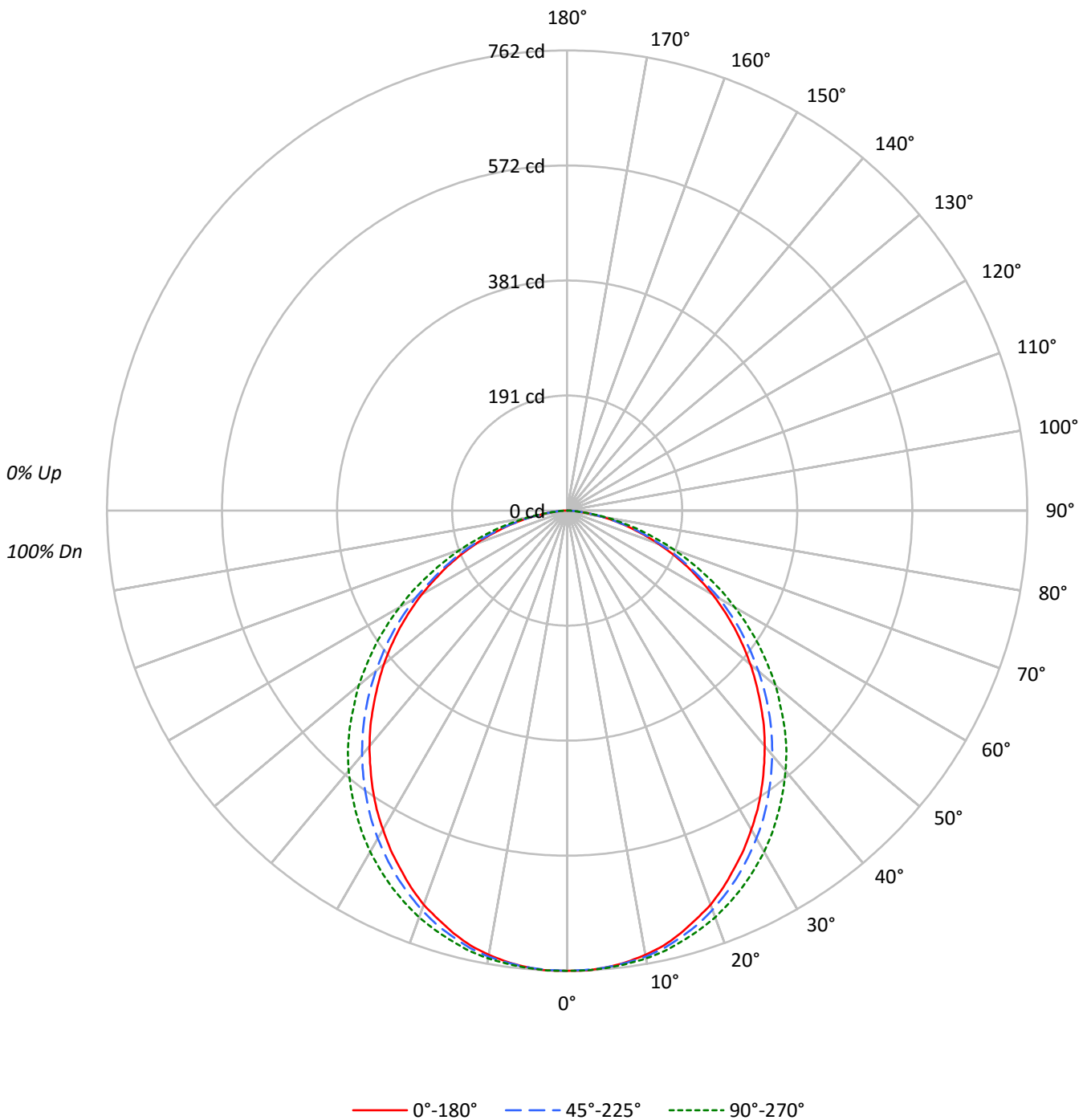
Lumens per Lamp: N/A
Luminaire Lumens: 2012.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
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	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°	2051	2051	2051
5°	2051	2051	2053
10°	2041	2050	2058
15°	2020	2036	2056
20°	1989	2015	2053
25°	1943	1985	2042
30°	1895	1949	2027
35°	1845	1904	2004
40°	1788	1856	1976
45°	1723	1799	1937
50°	1659	1730	1886
55°	1584	1656	1816
60°	1498	1563	1725
65°	1393	1438	1611
70°	1261	1308	1475
75°	1101	1143	1289
80°	891	907	1015
85°	528	593	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	3.6
10°-20°	206.2	10.2
20°-30°	308.5	15.3
30°-40°	364.5	18.1
40°-50°	367.8	18.3
50°-60°	319.4	15.9
60°-70°	229.0	11.4
70°-80°	119.3	5.9
80°-90°	25.2	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°	586.9	29.2
0°-40°	951.3	47.3
0°-60°	1638.5	81.4
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	759	758	759	759	760	72
15°	725	726	731	736	738	204
25°	654	658	668	682	688	301
35°	562	566	580	601	610	351
45°	453	458	473	497	509	350
55°	338	341	353	376	387	302
65°	219	218	226	243	253	216
75°	106	105	110	118	124	113
85°	17	19	19	17	16	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	762.2	762.2	762.2	762.2	762.2
2.5°	762.2	761.2	761.2	761.2	762.2
5°	759.1	758.1	759.1	759.1	760.2
7.5°	754.1	753.1	755.1	756.1	757.1
10°	747.0	747.0	750.1	752.1	753.1
12.5°	738.0	738.0	742.0	745.0	747.0
15°	724.9	725.9	730.9	736.0	738.0
17.5°	709.7	712.8	718.8	725.9	727.9
20°	694.6	696.6	703.7	712.8	716.8
22.5°	675.5	678.5	686.6	698.7	702.7
25°	654.3	658.3	668.4	681.5	687.6
27.5°	633.1	636.2	648.2	663.4	670.4
30°	609.9	614.0	627.1	644.2	652.3
32.5°	586.8	589.8	604.9	623.0	632.1
35°	561.5	565.6	579.7	600.9	609.9
37.5°	535.3	540.4	554.5	576.7	586.8
40°	509.1	512.1	528.3	550.5	562.6
42.5°	481.9	485.9	501.1	525.3	537.4
45°	452.7	457.7	472.8	497.0	509.1
47.5°	424.4	429.5	443.6	467.8	478.9
50°	396.2	399.2	413.3	437.5	450.6
52.5°	367.0	370.0	383.1	406.3	418.4
55°	337.7	340.8	352.9	376.0	387.1
57.5°	307.5	309.5	321.6	342.8	353.9
60°	278.3	279.3	290.4	309.5	320.6
62.5°	247.0	248.0	256.1	278.3	288.3
65°	218.8	217.8	225.8	243.0	253.0
67.5°	189.5	189.5	196.6	211.7	219.8
70°	160.3	160.3	166.3	179.5	187.5
72.5°	133.1	133.1	138.1	148.2	154.2
75°	105.9	104.8	109.9	118.0	124.0
77.5°	80.7	80.7	82.7	89.7	93.8
80°	57.5	57.5	58.5	62.5	65.5
82.5°	36.3	36.3	36.3	38.3	39.3
85°	17.1	19.2	19.2	17.1	16.1
87.5°	8.1	8.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)