

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: P383944

Luminaire Tested: **22ID-20-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383944
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: 22ID-20-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

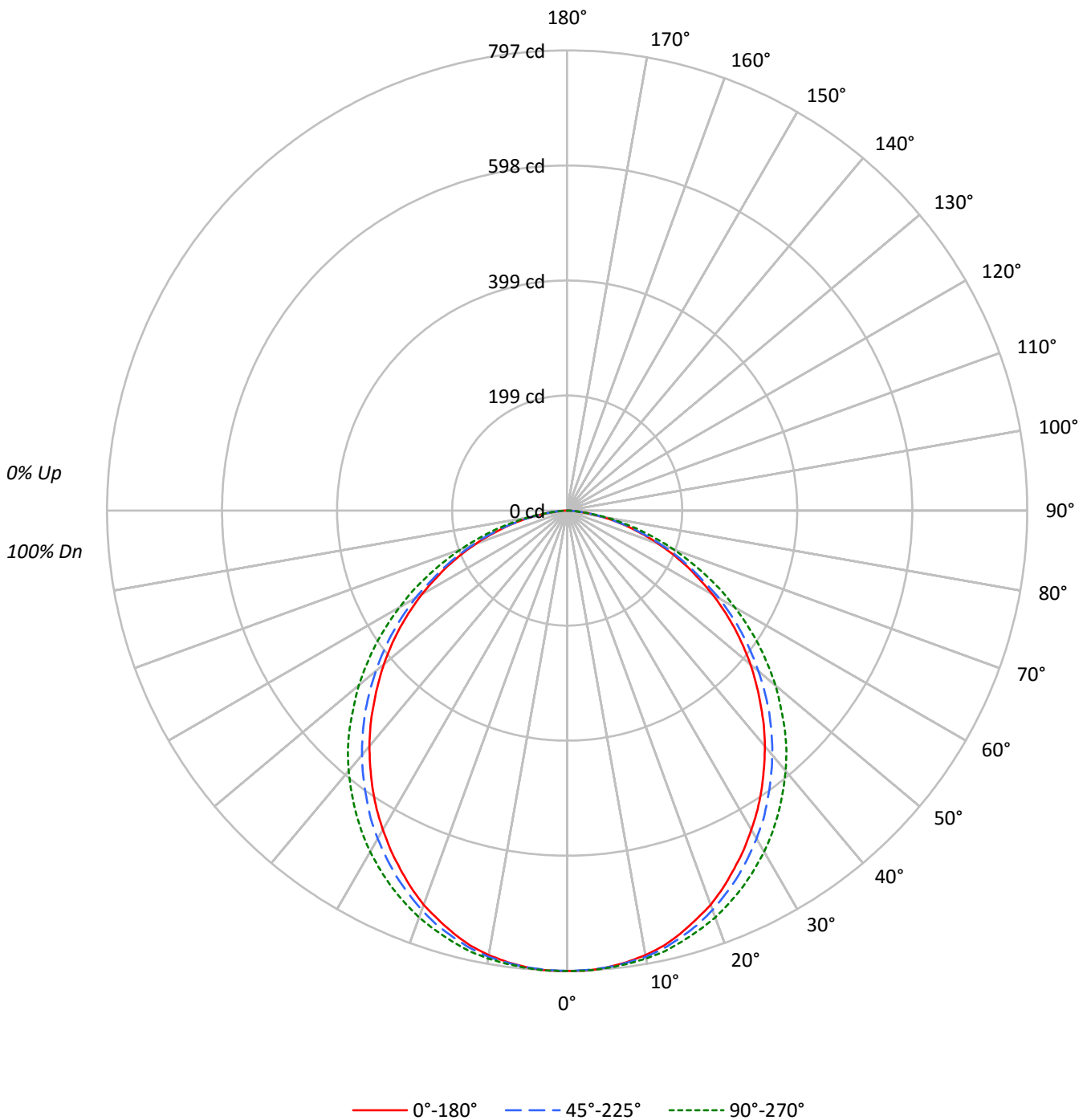
Lumens per Lamp: N/A
Luminaire Lumens: 2105.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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



TEST NUMBER: P383944
CATALOG NUMBER: 22ID-20-L840-CFR2

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°	2146	2146	2146
5°	2145	2145	2148
10°	2136	2144	2153
15°	2113	2130	2151
20°	2081	2108	2147
25°	2032	2076	2136
30°	1983	2039	2120
35°	1930	1992	2096
40°	1871	1942	2068
45°	1802	1883	2027
50°	1735	1811	1974
55°	1658	1732	1900
60°	1567	1635	1805
65°	1457	1505	1685
70°	1319	1369	1544
75°	1152	1196	1349
80°	931	948	1063
85°	553	618	522



TEST NUMBER: P383944

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.6
10°-20°	215.8	10.2
20°-30°	322.7	15.3
30°-40°	381.3	18.1
40°-50°	384.8	18.3
50°-60°	334.1	15.9
60°-70°	239.6	11.4
70°-80°	124.8	5.9
80°-90°	26.3	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°	614.0	29.2
0°-40°	995.3	47.3
0°-60°	1714.2	81.4
0°-90°	2105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	794	793	794	794	795	75
15°	758	759	765	770	772	214
25°	684	689	699	713	719	315
35°	588	592	606	629	638	367
45°	474	479	495	520	533	366
55°	353	356	369	393	405	316
65°	229	228	236	254	265	226
75°	111	110	115	123	130	118
85°	18	20	20	18	17	26
90°	0	0	0	0	0	



TEST NUMBER: P383944

CATALOG NUMBER: 22ID-20-L840-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.4	797.4	797.4	797.4	797.4
2.5°	797.4	796.3	796.3	796.3	797.4
5°	794.2	793.2	794.2	794.2	795.3
7.5°	789.0	787.9	790.0	791.1	792.1
10°	781.6	781.6	784.7	786.9	787.9
12.5°	772.1	772.1	776.3	779.5	781.6
15°	758.4	759.4	764.7	770.0	772.1
17.5°	742.6	745.7	752.0	759.4	761.5
20°	726.7	728.8	736.2	745.7	749.9
22.5°	706.7	709.9	718.3	731.0	735.2
25°	684.5	688.8	699.3	713.0	719.3
27.5°	662.4	665.6	678.2	694.0	701.4
30°	638.1	642.4	656.1	674.0	682.4
32.5°	613.9	617.0	632.9	651.8	661.3
35°	587.5	591.7	606.5	628.6	638.1
37.5°	560.1	565.4	580.1	603.3	613.9
40°	532.7	535.8	552.7	575.9	588.6
42.5°	504.2	508.4	524.2	549.5	562.2
45°	473.6	478.9	494.7	520.0	532.7
47.5°	444.1	449.3	464.1	489.4	501.0
50°	414.5	417.7	432.5	457.8	471.5
52.5°	383.9	387.1	400.8	425.1	437.7
55°	353.3	356.5	369.2	393.4	405.0
57.5°	321.7	323.8	336.5	358.6	370.2
60°	291.1	292.2	303.8	323.8	335.4
62.5°	258.4	259.5	267.9	291.1	301.7
65°	228.9	227.8	236.3	254.2	264.7
67.5°	198.3	198.3	205.7	221.5	229.9
70°	167.7	167.7	174.0	187.7	196.2
72.5°	139.2	139.2	144.5	155.1	161.4
75°	110.8	109.7	115.0	123.4	129.7
77.5°	84.4	84.4	86.5	93.9	98.1
80°	60.1	60.1	61.2	65.4	68.6
82.5°	38.0	38.0	38.0	40.1	41.1
85°	17.9	20.0	20.0	17.9	16.9
87.5°	8.4	8.4	7.4	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)