

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: P383860

Luminaire Tested: **24ID-60-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383860
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: 24ID-60-L840-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

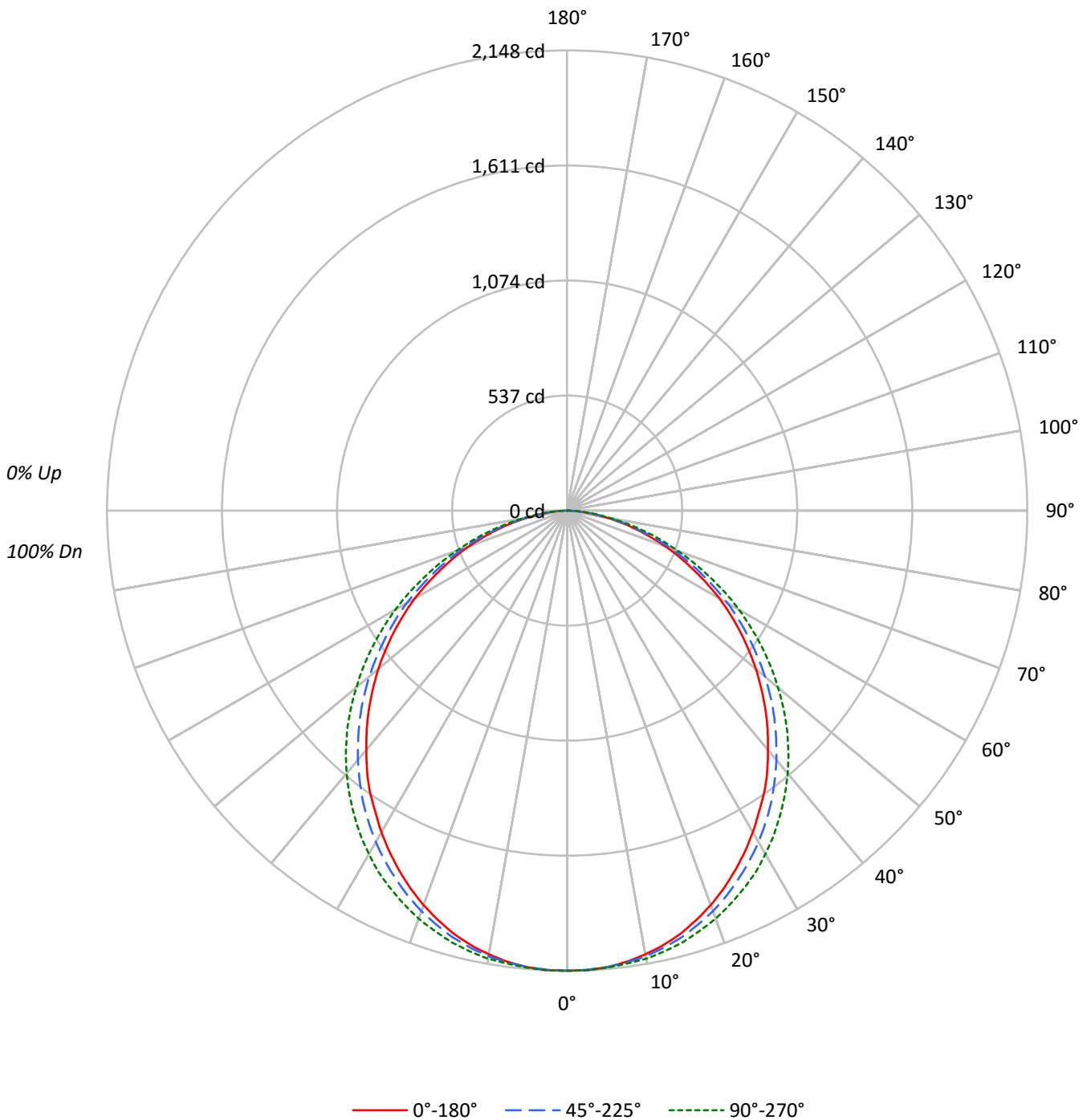
Lumens per Lamp: N/A
Luminaire Lumens: 5832.9 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.6
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



TEST NUMBER: P383860
CATALOG NUMBER: 24ID-60-L840-CFR1

Luminous Intensity Polar Plot





TEST NUMBER: P383860

CATALOG NUMBER: 24ID-60-L840-CFR1

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°	2890	2890	2890
5°	2889	2889	2893
10°	2874	2886	2902
15°	2849	2873	2906
20°	2806	2848	2903
25°	2753	2814	2892
30°	2694	2776	2876
35°	2636	2728	2848
40°	2561	2669	2814
45°	2490	2602	2764
50°	2407	2524	2690
55°	2312	2430	2602
60°	2211	2329	2495
65°	2064	2186	2335
70°	1916	2020	2159
75°	1708	1800	1953
80°	1432	1500	1637
85°	1087	1087	1223



TEST NUMBER: P383860

CATALOG NUMBER: 24ID-60-L840-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	3.5
10°-20°	581.6	10.0
20°-30°	874.5	15.0
30°-40°	1040.4	17.8
40°-50°	1058.6	18.1
50°-60°	931.6	16.0
60°-70°	683.4	11.7
70°-80°	370.9	6.4
80°-90°	88.5	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°	1659.4	28.4
0°-40°	2699.8	46.3
0°-60°	4690.0	80.4
0°-90°	5832.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5832.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2148	2148	2148	2148	2148	
5°	2139	2136	2139	2139	2142	203
15°	2045	2048	2063	2074	2086	576
25°	1854	1866	1895	1928	1948	854
35°	1605	1617	1661	1710	1734	1002
45°	1309	1320	1367	1426	1452	1009
55°	986	1000	1036	1086	1109	882
65°	648	660	687	716	734	644
75°	329	334	346	364	376	349
85°	70	70	70	76	79	85
90°	0	0	0	0	0	



TEST NUMBER: P383860

CATALOG NUMBER: 24ID-60-L840-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2147.7	2147.7	2147.7	2147.7	2147.7
2.5°	2147.7	2144.8	2144.8	2144.8	2147.7
5°	2138.9	2136.0	2138.9	2138.9	2141.9
7.5°	2124.2	2121.3	2127.2	2130.1	2133.1
10°	2103.7	2103.7	2112.5	2118.4	2124.2
12.5°	2077.3	2080.2	2089.0	2097.8	2106.6
15°	2045.0	2048.0	2062.6	2074.4	2086.1
17.5°	2004.0	2009.8	2027.4	2045.0	2056.8
20°	1959.9	1968.7	1989.3	2012.8	2027.4
22.5°	1910.1	1921.8	1945.3	1974.6	1989.3
25°	1854.3	1866.1	1895.4	1927.7	1948.2
27.5°	1795.6	1810.3	1842.6	1880.7	1904.2
30°	1734.0	1748.7	1786.8	1827.9	1851.4
32.5°	1666.5	1684.1	1725.2	1772.2	1795.6
35°	1604.9	1616.7	1660.7	1710.5	1734.0
37.5°	1534.5	1549.2	1590.3	1643.1	1669.5
40°	1458.2	1472.9	1519.8	1572.6	1602.0
42.5°	1384.9	1396.6	1443.6	1502.2	1528.6
45°	1308.6	1320.3	1367.3	1425.9	1452.4
47.5°	1229.4	1244.0	1288.0	1343.8	1370.2
50°	1150.1	1161.9	1205.9	1258.7	1285.1
52.5°	1068.0	1079.7	1120.8	1173.6	1200.0
55°	985.8	1000.5	1035.7	1085.6	1109.1
57.5°	903.7	918.4	950.6	997.6	1018.1
60°	821.5	833.3	865.5	906.6	927.2
62.5°	733.5	742.3	774.6	815.7	833.3
65°	648.4	660.2	686.6	715.9	733.5
67.5°	569.2	575.1	598.5	630.8	642.6
70°	487.1	492.9	513.5	539.9	548.7
72.5°	404.9	413.7	428.4	451.8	463.6
75°	328.6	334.5	346.2	363.8	375.6
77.5°	255.3	258.2	267.0	281.7	290.5
80°	184.8	187.8	193.6	205.4	211.3
82.5°	123.2	126.2	129.1	135.0	140.8
85°	70.4	70.4	70.4	76.3	79.2
87.5°	26.4	23.5	23.5	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)