

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: P384701

Luminaire Tested: **24ID-60-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-60-L850-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

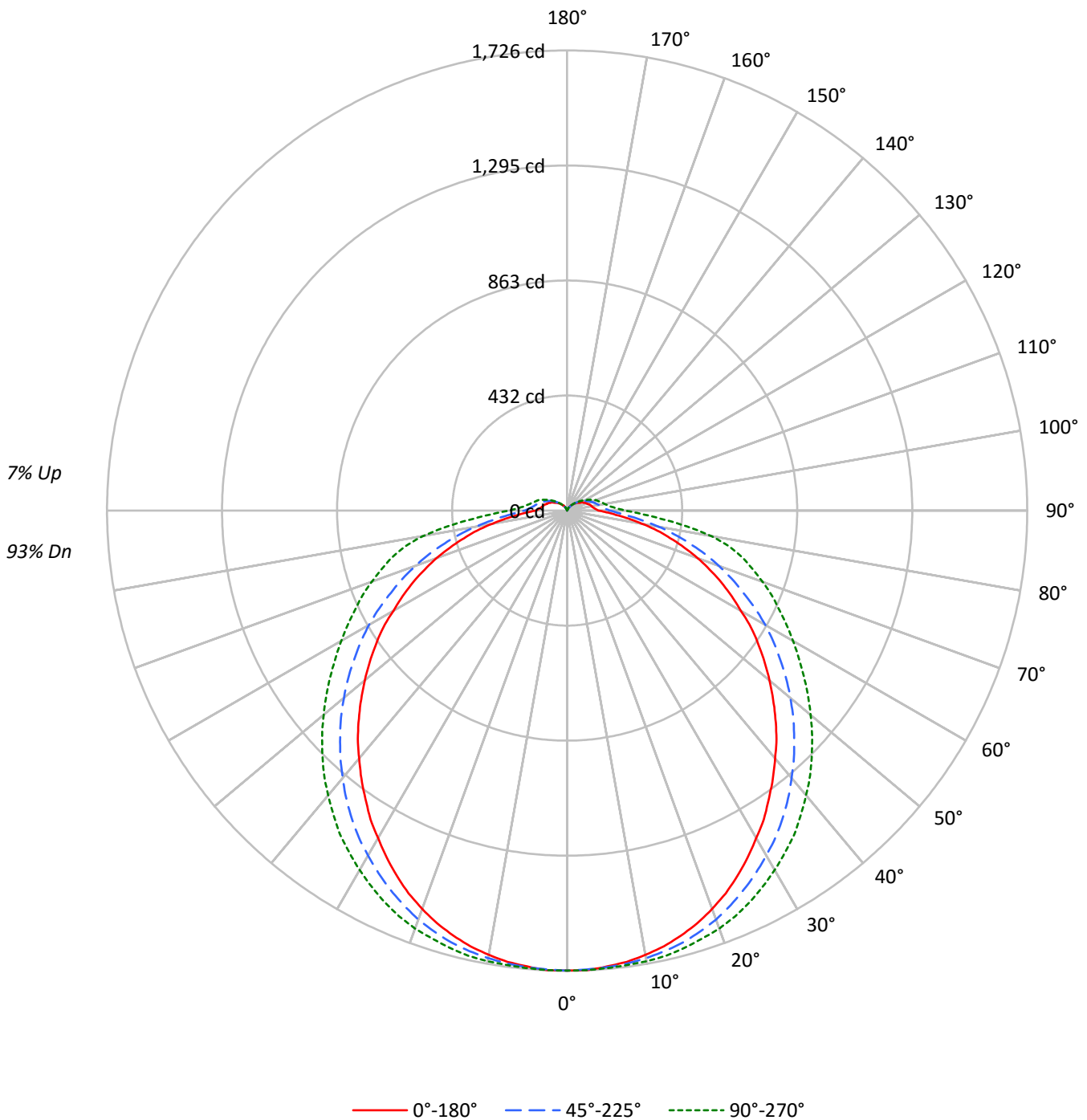
Lumens per Lamp: N/A
Luminaire Lumens: 6038.3 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

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: P384701
CATALOG NUMBER: 24ID-60-L850-CFD3

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2322	2322	2322
5°	2306	2296	2301
10°	2287	2276	2295
15°	2261	2256	2289
20°	2226	2229	2285
25°	2181	2194	2273
30°	2127	2156	2256
35°	2076	2118	2242
40°	2025	2071	2216
45°	1979	2024	2195
50°	1930	1976	2173
55°	1887	1924	2158
60°	1828	1878	2165
65°	1792	1807	2200
70°	1749	1745	2284
75°	1688	1655	2413
80°	1637	1545	2485
85°	1654	1423	2239



TEST NUMBER: P384701

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	2.7
10°-20°	472.8	7.8
20°-30°	722.4	12.0
30°-40°	879.3	14.6
40°-50°	929.4	15.4
50°-60°	877.3	14.5
60°-70°	738.1	12.2
70°-80°	532.1	8.8
80°-90°	280.6	4.6
90°-100°	150.2	2.5
100°-110°	114.1	1.9
110°-120°	82.7	1.4
120°-130°	52.0	0.9
130°-140°	28.1	0.5
140°-150°	12.3	0.2
150°-160°	3.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1358.8	22.5
0°-40°	2238.1	37.1
0°-60°	4044.8	67.0
0°-90°	5595.6	92.7
90°-120°	347.0	5.7
90°-150°	439.3	7.3
90°-180°	443.0	7.3
0°-180°	6038.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1716	1716	1720	1720	1722	163
15°	1650	1656	1677	1689	1698	465
25°	1512	1530	1569	1605	1620	696
35°	1319	1349	1409	1464	1485	826
45°	1105	1138	1205	1271	1298	853
55°	876	916	976	1048	1084	783
65°	638	675	729	819	876	631
75°	400	434	476	569	681	425
85°	184	208	232	289	352	172
90°	117	138	160	190	217	67
95°	102	117	136	154	166	82
105°	87	96	108	120	126	91
115°	69	75	84	90	96	70
125°	51	51	60	60	63	46
135°	36	33	36	36	39	27
145°	21	18	18	18	21	13
155°	9	9	3	6	9	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384701

CATALOG NUMBER: 24ID-60-L850-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1725.5	1725.5	1725.5	1725.5	1725.5
2.5°	1725.5	1722.5	1722.5	1722.5	1725.5
5°	1716.5	1716.5	1719.5	1719.5	1722.5
7.5°	1707.5	1707.5	1713.5	1716.5	1719.5
10°	1692.4	1695.4	1704.5	1710.5	1716.5
12.5°	1674.3	1677.3	1692.4	1704.5	1710.5
15°	1650.2	1656.3	1677.3	1689.4	1698.4
17.5°	1623.1	1632.2	1656.3	1674.3	1683.4
20°	1590.0	1602.1	1632.2	1656.3	1668.3
22.5°	1553.9	1565.9	1602.1	1632.2	1647.2
25°	1511.7	1529.8	1568.9	1605.1	1620.1
27.5°	1466.6	1487.6	1532.8	1575.0	1590.0
30°	1418.4	1442.5	1493.7	1538.8	1556.9
32.5°	1373.2	1397.3	1454.5	1502.7	1520.8
35°	1319.0	1349.1	1409.3	1463.5	1484.6
37.5°	1267.8	1297.9	1361.2	1418.4	1439.4
40°	1213.6	1243.7	1310.0	1373.2	1394.3
42.5°	1162.4	1192.5	1258.8	1325.0	1349.1
45°	1105.2	1138.3	1204.6	1270.8	1297.9
47.5°	1048.0	1081.1	1150.4	1219.6	1246.7
50°	990.8	1026.9	1093.1	1162.4	1192.5
52.5°	933.5	969.7	1035.9	1108.2	1138.3
55°	876.3	915.5	975.7	1048.0	1084.1
57.5°	819.1	858.2	918.5	993.8	1029.9
60°	752.8	798.0	858.2	936.5	978.7
62.5°	695.6	734.8	795.0	876.3	927.5
65°	638.4	674.6	728.8	819.1	876.3
67.5°	578.2	617.3	668.5	752.8	831.1
70°	521.0	554.1	605.3	692.6	780.0
72.5°	460.7	493.9	542.1	632.4	728.8
75°	400.5	433.6	475.8	569.2	680.6
77.5°	346.3	373.4	412.6	502.9	623.4
80°	286.1	313.2	349.3	430.6	548.1
82.5°	231.9	256.0	286.1	358.4	451.7
85°	183.7	207.8	231.9	289.1	352.3
87.5°	147.6	165.6	189.7	231.9	274.0
90°	117.4	138.5	159.6	189.7	216.8
92.5°	108.4	126.5	144.5	168.6	186.7
95°	102.4	117.4	135.5	153.6	165.6
97.5°	96.4	111.4	126.5	144.5	153.6
100°	93.4	105.4	120.5	135.5	141.5
102.5°	90.3	99.4	114.4	126.5	135.5
105°	87.3	96.4	108.4	120.5	126.5
107.5°	81.3	90.3	102.4	114.4	120.5
110°	78.3	84.3	96.4	105.4	114.4



TEST NUMBER: P384701

CATALOG NUMBER: 24ID-60-L850-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.3	81.3	90.3	99.4	105.4
115°	69.3	75.3	84.3	90.3	96.4
117.5°	66.3	69.3	78.3	81.3	87.3
120°	60.2	63.2	72.3	75.3	78.3
122.5°	54.2	57.2	66.3	66.3	72.3
125°	51.2	51.2	60.2	60.2	63.2
127.5°	48.2	48.2	54.2	54.2	57.2
130°	42.2	42.2	48.2	48.2	48.2
132.5°	39.1	36.1	42.2	42.2	45.2
135°	36.1	33.1	36.1	36.1	39.1
137.5°	30.1	30.1	33.1	30.1	33.1
140°	27.1	24.1	27.1	27.1	30.1
142.5°	24.1	21.1	24.1	21.1	24.1
145°	21.1	18.1	18.1	18.1	21.1
147.5°	18.1	15.1	15.1	15.1	18.1
150°	15.1	12.0	12.0	12.0	15.1
152.5°	12.0	9.0	6.0	9.0	12.0
155°	9.0	9.0	3.0	6.0	9.0
157.5°	6.0	6.0	0.0	3.0	6.0
160°	3.0	3.0	0.0	3.0	3.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)