

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: P385209

Luminaire Tested: **24ID-65-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-65-L850-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

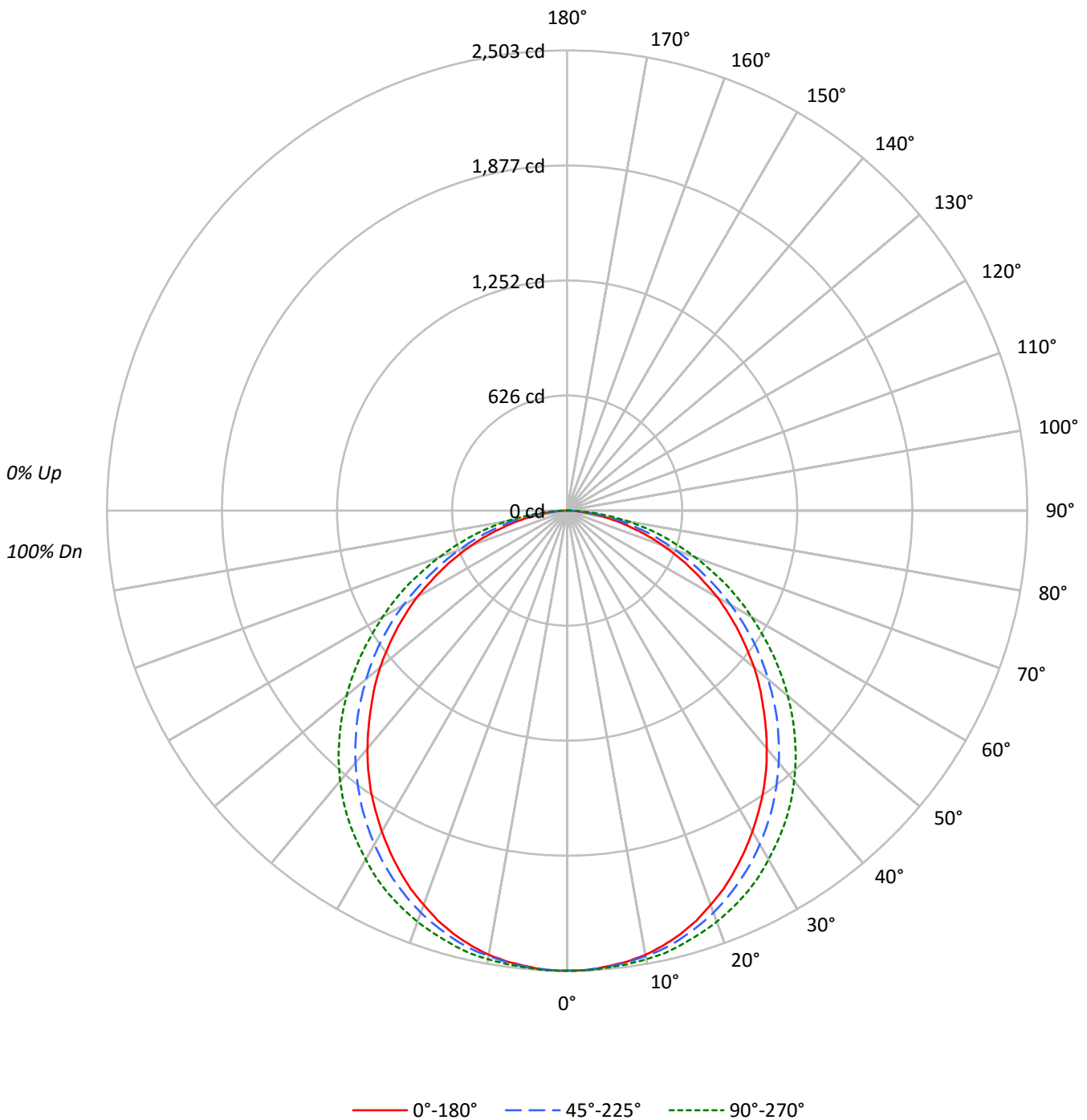
Lumens per Lamp: N/A
Luminaire Lumens: 6949.3 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.6
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: P385209
CATALOG NUMBER: 24ID-65-L850-CNC

Luminous Intensity Polar Plot





TEST NUMBER: P385209

CATALOG NUMBER: 24ID-65-L850-CNC

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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3368	3368	3368
5°	3362	3366	3371
10°	3352	3362	3386
15°	3320	3355	3399
20°	3268	3333	3408
25°	3206	3299	3414
30°	3132	3257	3404
35°	3057	3207	3397
40°	2968	3146	3374
45°	2868	3075	3335
50°	2781	2986	3280
55°	2664	2894	3207
60°	2538	2773	3122
65°	2366	2612	3036
70°	2179	2455	2910
75°	1932	2278	2788
80°	1629	2037	2580
85°	1190	1570	2056



TEST NUMBER: P385209

CATALOG NUMBER: 24ID-65-L850-CNC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	3.4
10°-20°	679.7	9.8
20°-30°	1025.1	14.8
30°-40°	1223.9	17.6
40°-50°	1250.8	18.0
50°-60°	1109.1	16.0
60°-70°	826.8	11.9
70°-80°	472.3	6.8
80°-90°	124.6	1.8
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°	1941.8	27.9
0°-40°	3165.6	45.6
0°-60°	5525.6	79.5
0°-90°	6949.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6949.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2503	2503	2503	2503	2503	
5°	2489	2489	2492	2492	2496	237
15°	2384	2391	2408	2429	2440	672
25°	2159	2177	2222	2272	2300	994
35°	1861	1886	1952	2030	2068	1163
45°	1507	1539	1616	1704	1753	1165
55°	1136	1157	1234	1322	1367	1015
65°	743	761	820	904	954	737
75°	372	389	438	505	536	396
85°	77	81	102	126	133	96
90°	0	0	0	0	0	



TEST NUMBER: P385209

CATALOG NUMBER: 24ID-65-L850-CNC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2502.9	2502.9	2502.9	2502.9	2502.9
2.5°	2502.9	2499.4	2499.4	2499.4	2502.9
5°	2488.9	2488.9	2492.4	2492.4	2495.9
7.5°	2474.9	2474.9	2478.4	2481.9	2488.9
10°	2453.8	2453.8	2460.8	2471.3	2478.4
12.5°	2422.3	2425.8	2439.8	2453.8	2464.3
15°	2383.7	2390.7	2408.2	2429.3	2439.8
17.5°	2338.1	2345.1	2369.7	2397.7	2411.8
20°	2282.1	2296.1	2327.6	2362.7	2380.2
22.5°	2226.0	2240.0	2278.5	2320.6	2341.6
25°	2159.4	2176.9	2222.5	2271.5	2299.6
27.5°	2089.3	2110.3	2162.9	2219.0	2250.5
30°	2015.6	2040.2	2096.3	2159.4	2190.9
32.5°	1938.5	1963.1	2026.2	2096.3	2131.3
35°	1861.4	1885.9	1952.5	2029.7	2068.2
37.5°	1777.3	1801.8	1871.9	1956.0	1998.1
40°	1689.6	1717.7	1791.3	1875.4	1921.0
42.5°	1598.5	1630.0	1703.7	1794.8	1840.4
45°	1507.3	1538.9	1616.0	1703.7	1752.7
47.5°	1419.7	1444.2	1521.4	1612.5	1661.6
50°	1328.6	1349.6	1426.7	1517.9	1566.9
52.5°	1230.4	1258.5	1332.1	1423.2	1468.8
55°	1135.8	1156.8	1233.9	1321.6	1367.1
57.5°	1037.6	1058.6	1132.3	1219.9	1262.0
60°	943.0	964.0	1030.6	1118.2	1160.3
62.5°	837.8	858.8	925.4	1016.6	1058.6
65°	743.2	760.7	820.3	904.4	953.5
67.5°	648.5	666.0	722.1	802.7	841.3
70°	553.9	567.9	624.0	697.6	739.7
72.5°	462.7	476.7	532.8	599.4	634.5
75°	371.6	389.1	438.2	504.8	536.3
77.5°	287.4	305.0	347.0	406.6	434.7
80°	210.3	224.3	262.9	308.5	333.0
82.5°	140.2	150.7	178.8	217.3	234.9
85°	77.1	80.6	101.7	126.2	133.2
87.5°	31.5	31.5	38.6	42.1	45.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)