

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: P385104

Luminaire Tested: **14ID-70-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385104
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: 14ID-70-L840-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

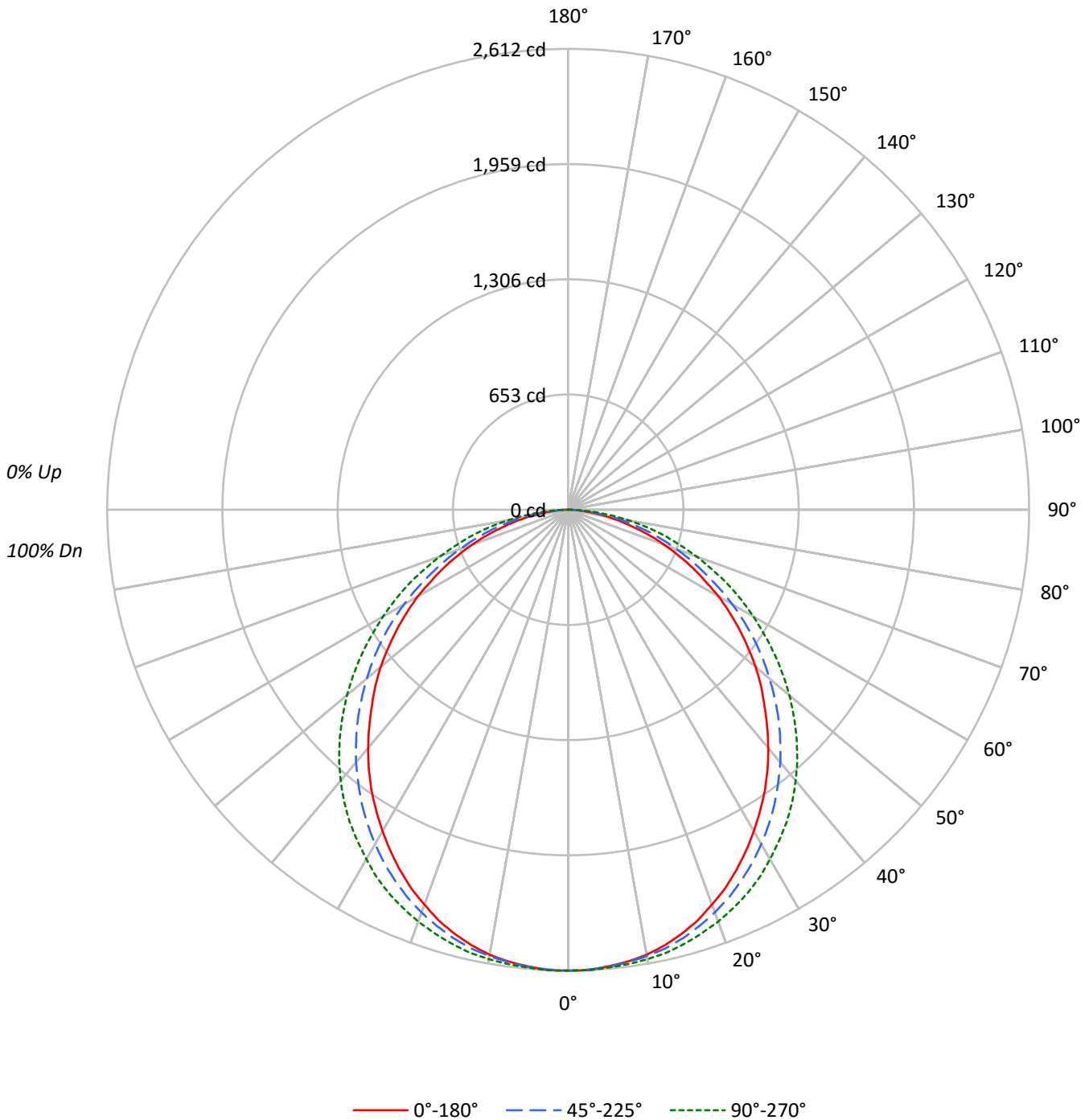
Lumens per Lamp: N/A
Luminaire Lumens: 7253.6 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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



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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	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°	7030	7030	7030
5°	7018	7027	7037
10°	6999	7019	7069
15°	6932	7003	7095
20°	6821	6957	7115
25°	6692	6888	7127
30°	6537	6799	7106
35°	6383	6695	7092
40°	6195	6568	7044
45°	5988	6419	6962
50°	5805	6234	6847
55°	5562	6043	6695
60°	5297	5789	6518
65°	4939	5452	6337
70°	4548	5124	6074
75°	4032	4756	5820
80°	3402	4252	5387
85°	2485	3276	4292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	3.4
10°-20°	709.5	9.8
20°-30°	1070.0	14.8
30°-40°	1277.4	17.6
40°-50°	1305.6	18.0
50°-60°	1157.7	16.0
60°-70°	863.0	11.9
70°-80°	493.0	6.8
80°-90°	130.0	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°	2026.8	27.9
0°-40°	3304.2	45.6
0°-60°	5767.5	79.5
0°-90°	7253.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7253.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2612	2612	2612	2612	2612	
5°	2598	2598	2602	2602	2605	247
15°	2488	2495	2514	2536	2547	701
25°	2254	2272	2320	2371	2400	1038
35°	1943	1968	2038	2118	2159	1214
45°	1573	1606	1687	1778	1830	1216
55°	1186	1208	1288	1379	1427	1059
65°	776	794	856	944	995	769
75°	388	406	457	527	560	414
85°	80	84	106	132	139	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.5	2612.5	2612.5	2612.5	2612.5
2.5°	2612.5	2608.8	2608.8	2608.8	2612.5
5°	2597.9	2597.9	2601.5	2601.5	2605.2
7.5°	2583.2	2583.2	2586.9	2590.5	2597.9
10°	2561.3	2561.3	2568.6	2579.6	2586.9
12.5°	2528.3	2532.0	2546.6	2561.3	2572.2
15°	2488.1	2495.4	2513.7	2535.7	2546.6
17.5°	2440.5	2447.8	2473.5	2502.7	2517.4
20°	2382.0	2396.6	2429.5	2466.1	2484.4
22.5°	2323.4	2338.1	2378.3	2422.2	2444.2
25°	2253.9	2272.2	2319.8	2371.0	2400.3
27.5°	2180.7	2202.7	2257.6	2316.1	2349.0
30°	2103.9	2129.5	2188.1	2253.9	2286.8
32.5°	2023.4	2049.0	2114.9	2188.1	2224.6
35°	1942.9	1968.5	2038.0	2118.5	2158.8
37.5°	1855.1	1880.7	1953.9	2041.7	2085.6
40°	1763.6	1792.9	1869.7	1957.5	2005.1
42.5°	1668.5	1701.4	1778.3	1873.4	1921.0
45°	1573.4	1606.3	1686.8	1778.3	1829.5
47.5°	1481.9	1507.5	1588.0	1683.1	1734.3
50°	1386.7	1408.7	1489.2	1584.3	1635.6
52.5°	1284.3	1313.6	1390.4	1485.5	1533.1
55°	1185.5	1207.5	1288.0	1379.4	1427.0
57.5°	1083.1	1105.0	1181.8	1273.3	1317.2
60°	984.3	1006.2	1075.7	1167.2	1211.1
62.5°	874.5	896.4	966.0	1061.1	1105.0
65°	775.7	794.0	856.2	944.0	995.2
67.5°	676.9	695.2	753.7	837.9	878.1
70°	578.1	592.8	651.3	728.1	772.0
72.5°	483.0	497.6	556.2	625.7	662.3
75°	387.8	406.1	457.4	526.9	559.8
77.5°	300.0	318.3	362.2	424.4	453.7
80°	219.5	234.2	274.4	322.0	347.6
82.5°	146.4	157.3	186.6	226.9	245.1
85°	80.5	84.2	106.1	131.7	139.0
87.5°	32.9	32.9	40.2	43.9	47.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)