

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: P385163

Luminaire Tested: **22ID-75-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385163
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: 22ID-75-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

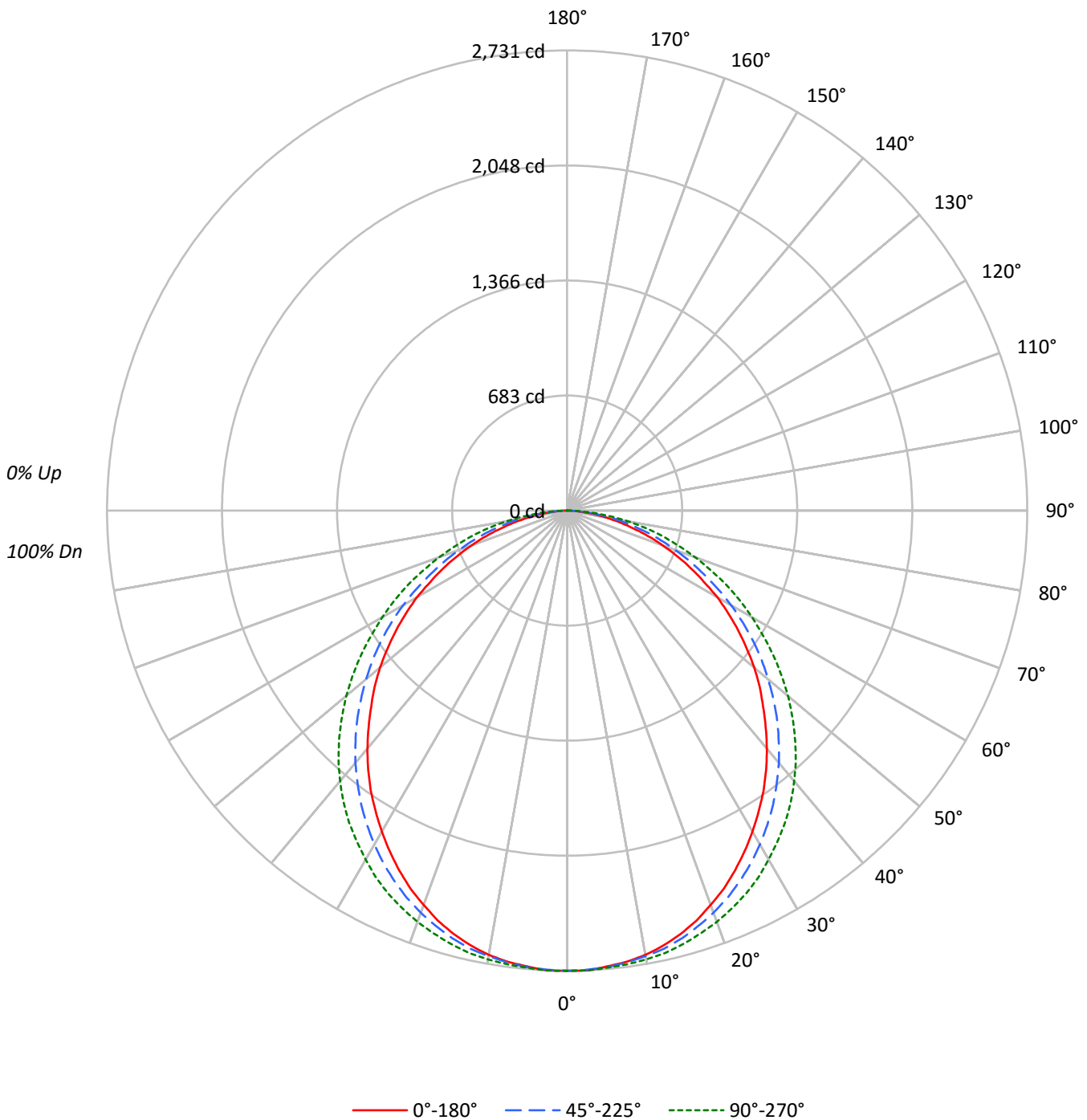
Lumens per Lamp: N/A
Luminaire Lumens: 7583.8 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 65.8
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



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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°	7350	7350	7350
5°	7337	7347	7358
10°	7317	7338	7390
15°	7247	7322	7418
20°	7132	7274	7438
25°	6997	7201	7451
30°	6835	7109	7429
35°	6673	7000	7415
40°	6477	6867	7364
45°	6260	6712	7279
50°	6070	6518	7159
55°	5815	6318	7000
60°	5539	6053	6815
65°	5164	5700	6625
70°	4755	5357	6351
75°	4216	4972	6085
80°	3556	4446	5632
85°	2600	3424	4489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	3.4
10°-20°	741.8	9.8
20°-30°	1118.7	14.8
30°-40°	1335.6	17.6
40°-50°	1365.0	18.0
50°-60°	1210.4	16.0
60°-70°	902.3	11.9
70°-80°	515.5	6.8
80°-90°	136.0	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°	2119.1	27.9
0°-40°	3454.6	45.6
0°-60°	6030.1	79.5
0°-90°	7583.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7583.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2731	2731	2731	2731	2731	
5°	2716	2716	2720	2720	2724	258
15°	2601	2609	2628	2651	2663	733
25°	2356	2376	2425	2479	2510	1085
35°	2031	2058	2131	2215	2257	1269
45°	1645	1679	1764	1859	1913	1271
55°	1240	1262	1347	1442	1492	1108
65°	811	830	895	987	1040	804
75°	406	425	478	551	585	433
85°	84	88	111	138	145	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2731.4	2731.4	2731.4	2731.4	2731.4
2.5°	2731.4	2727.6	2727.6	2727.6	2731.4
5°	2716.1	2716.1	2719.9	2719.9	2723.8
7.5°	2700.8	2700.8	2704.6	2708.5	2716.1
10°	2677.9	2677.9	2685.5	2697.0	2704.6
12.5°	2643.4	2647.3	2662.6	2677.9	2689.3
15°	2601.4	2609.0	2628.1	2651.1	2662.6
17.5°	2551.6	2559.3	2586.1	2616.7	2632.0
20°	2490.4	2505.7	2540.1	2578.4	2597.5
22.5°	2429.2	2444.5	2486.6	2532.5	2555.4
25°	2356.5	2375.6	2425.4	2478.9	2509.5
27.5°	2280.0	2303.0	2360.3	2421.6	2456.0
30°	2199.7	2226.5	2287.7	2356.5	2390.9
32.5°	2115.5	2142.3	2211.1	2287.7	2325.9
35°	2031.4	2058.1	2130.8	2215.0	2257.1
37.5°	1939.5	1966.3	2042.8	2134.6	2180.5
40°	1843.9	1874.5	1954.8	2046.7	2096.4
42.5°	1744.4	1778.9	1859.2	1958.7	2008.4
45°	1645.0	1679.4	1763.6	1859.2	1912.8
47.5°	1549.3	1576.1	1660.3	1759.7	1813.3
50°	1449.9	1472.8	1557.0	1656.4	1710.0
52.5°	1342.8	1373.4	1453.7	1553.2	1602.9
55°	1239.5	1262.4	1346.6	1442.2	1492.0
57.5°	1132.4	1155.3	1235.6	1331.3	1377.2
60°	1029.1	1052.0	1124.7	1220.3	1266.2
62.5°	914.3	937.3	1009.9	1109.4	1155.3
65°	811.0	830.1	895.2	987.0	1040.5
67.5°	707.7	726.8	788.1	876.0	918.1
70°	604.4	619.7	680.9	761.3	807.2
72.5°	505.0	520.3	581.5	654.2	692.4
75°	405.5	424.6	478.2	550.9	585.3
77.5°	313.7	332.8	378.7	443.8	474.4
80°	229.5	244.8	286.9	336.6	363.4
82.5°	153.0	164.5	195.1	237.2	256.3
85°	84.2	88.0	110.9	137.7	145.4
87.5°	34.4	34.4	42.1	45.9	49.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)