

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: P385177

Luminaire Tested: **22ID-90-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385177
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-90-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

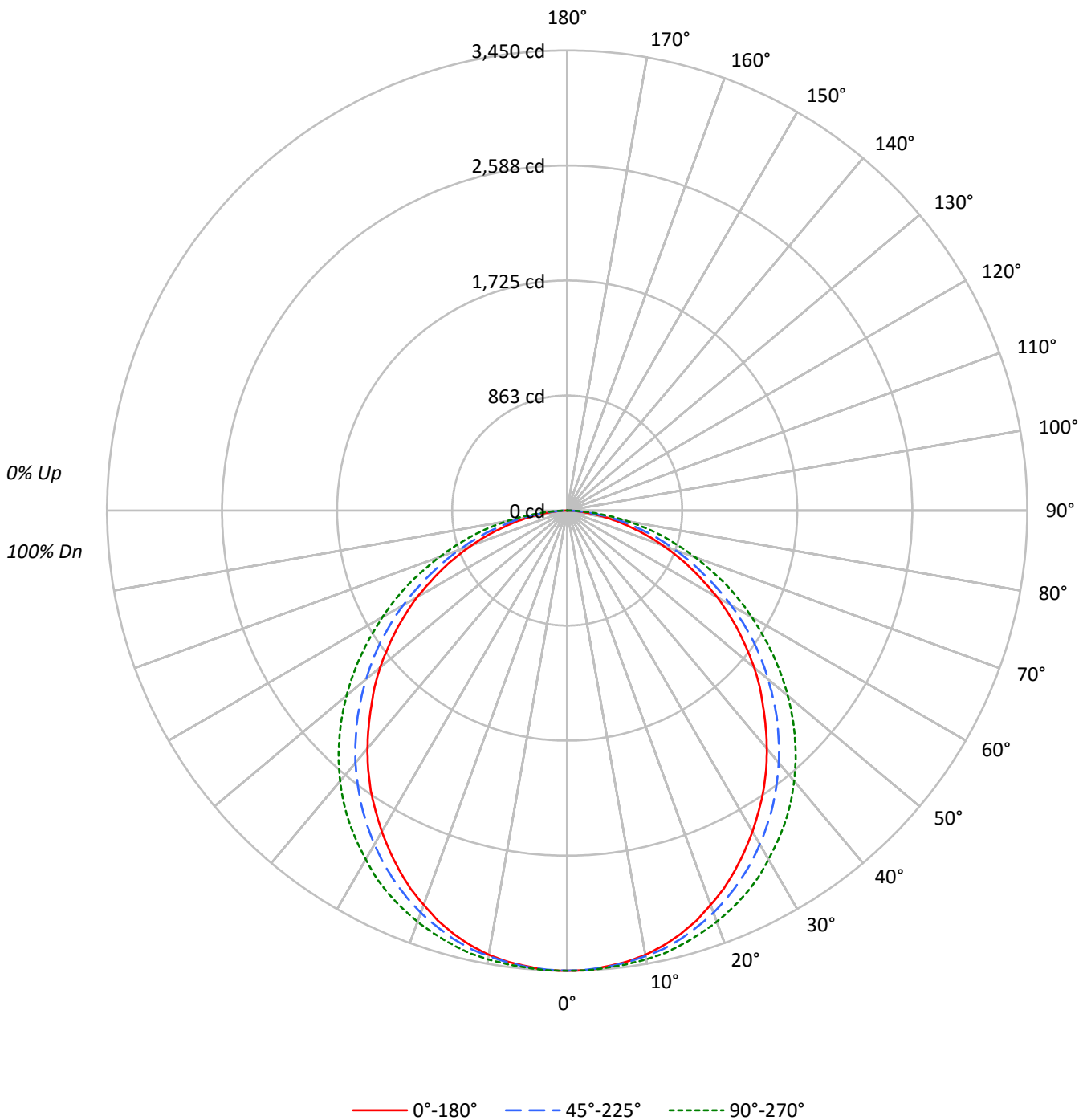
Lumens per Lamp: N/A
Luminaire Lumens: 9579.1 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 85.5
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°	9284	9284	9284
5°	9267	9280	9293
10°	9242	9269	9335
15°	9154	9248	9369
20°	9008	9188	9395
25°	8838	9096	9412
30°	8633	8978	9384
35°	8429	8841	9365
40°	8181	8674	9302
45°	7907	8477	9194
50°	7667	8233	9042
55°	7345	7980	8841
60°	6995	7646	8608
65°	6523	7200	8369
70°	6007	6767	8022
75°	5325	6280	7687
80°	4493	5616	7113
85°	3282	4326	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.6	3.4
10°-20°	936.9	9.8
20°-30°	1413.1	14.8
30°-40°	1687.0	17.6
40°-50°	1724.2	18.0
50°-60°	1528.9	16.0
60°-70°	1139.7	11.9
70°-80°	651.1	6.8
80°-90°	171.7	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°	2676.6	27.9
0°-40°	4363.6	45.6
0°-60°	7616.6	79.5
0°-90°	9579.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9579.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3450	3450	3450	3450	3450	
5°	3431	3431	3436	3436	3440	326
15°	3286	3295	3320	3349	3363	926
25°	2976	3001	3064	3131	3170	1370
35°	2566	2600	2691	2798	2851	1603
45°	2078	2121	2228	2348	2416	1605
55°	1566	1595	1701	1822	1884	1399
65°	1024	1048	1131	1247	1314	1015
75°	512	536	604	696	739	546
85°	106	111	140	174	184	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3450.1	3450.1	3450.1	3450.1	3450.1
2.5°	3450.1	3445.2	3445.2	3445.2	3450.1
5°	3430.7	3430.7	3435.6	3435.6	3440.4
7.5°	3411.4	3411.4	3416.2	3421.1	3430.7
10°	3382.4	3382.4	3392.1	3406.6	3416.2
12.5°	3338.9	3343.8	3363.1	3382.4	3396.9
15°	3285.8	3295.4	3319.6	3348.6	3363.1
17.5°	3223.0	3232.6	3266.4	3305.1	3324.4
20°	3145.6	3165.0	3208.5	3256.8	3280.9
22.5°	3068.3	3087.7	3140.8	3198.8	3227.8
25°	2976.5	3000.7	3063.5	3131.1	3169.8
27.5°	2879.9	2908.9	2981.4	3058.7	3102.2
30°	2778.4	2812.2	2889.5	2976.5	3020.0
32.5°	2672.1	2705.9	2792.9	2889.5	2937.9
35°	2565.8	2599.6	2691.4	2797.7	2850.9
37.5°	2449.8	2483.7	2580.3	2696.3	2754.2
40°	2329.0	2367.7	2469.2	2585.1	2647.9
42.5°	2203.4	2246.9	2348.4	2474.0	2536.8
45°	2077.8	2121.3	2227.6	2348.4	2416.0
47.5°	1957.0	1990.8	2097.1	2222.7	2290.4
50°	1831.3	1860.3	1966.6	2092.3	2159.9
52.5°	1696.0	1734.7	1836.2	1961.8	2024.6
55°	1565.6	1594.6	1700.9	1821.7	1884.5
57.5°	1430.3	1459.3	1560.7	1681.5	1739.5
60°	1299.8	1328.8	1420.6	1541.4	1599.4
62.5°	1154.9	1183.8	1275.7	1401.3	1459.3
65°	1024.4	1048.5	1130.7	1246.7	1314.3
67.5°	893.9	918.1	995.4	1106.5	1159.7
70°	763.5	782.8	860.1	961.6	1019.6
72.5°	637.8	657.2	734.5	826.3	874.6
75°	512.2	536.4	604.0	695.8	739.3
77.5°	396.2	420.4	478.4	560.5	599.2
80°	289.9	309.2	362.4	425.2	459.0
82.5°	193.3	207.8	246.4	299.6	323.7
85°	106.3	111.1	140.1	174.0	183.6
87.5°	43.5	43.5	53.2	58.0	62.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)