

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: P385373

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-60-L850-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

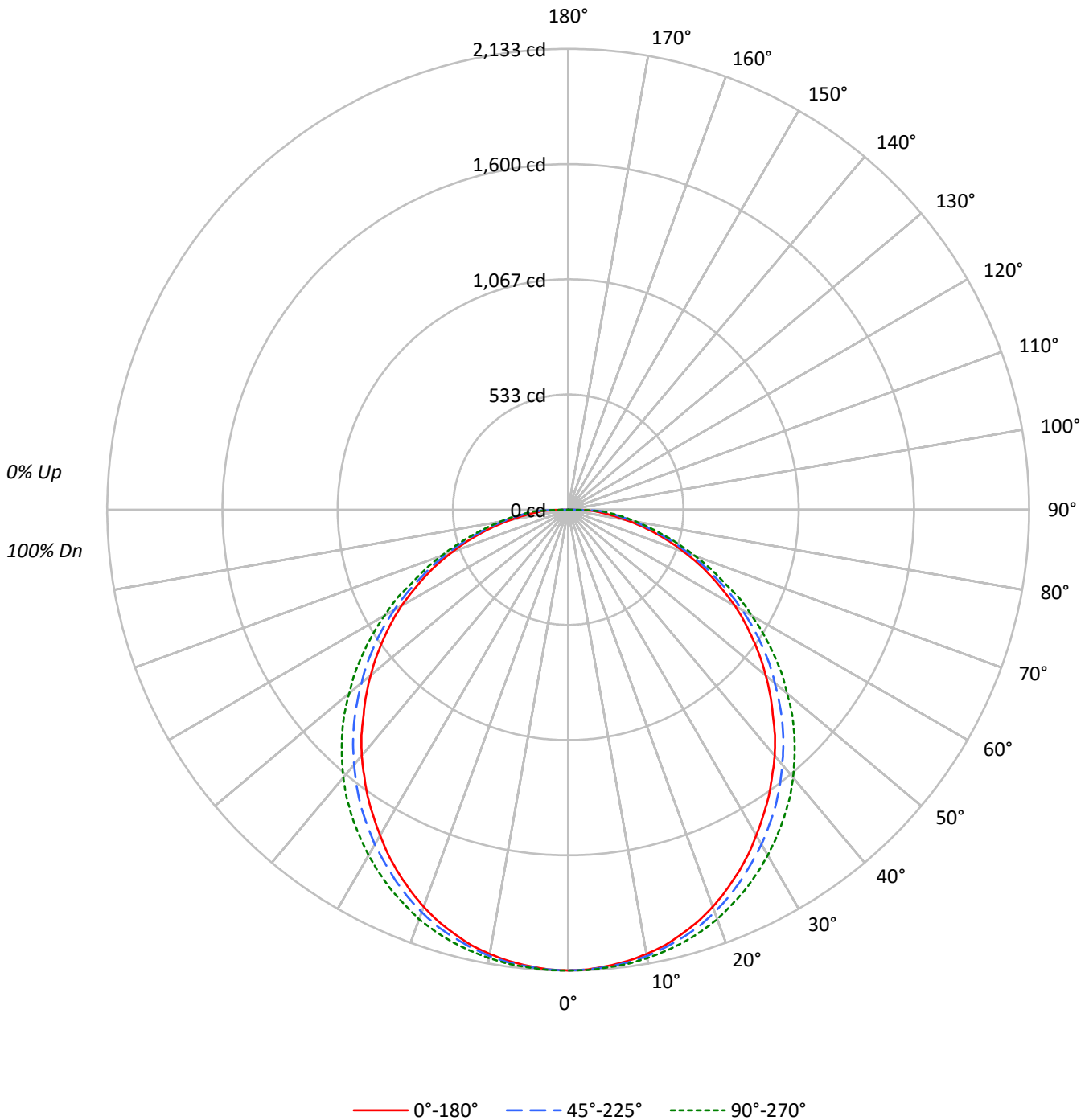
Lumens per Lamp: N/A
Luminaire Lumens: 6186.7 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.6
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	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					100			
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2870	2870	2870
5°	2853	2846	2851
10°	2832	2822	2837
15°	2801	2789	2823
20°	2759	2749	2803
25°	2703	2697	2772
30°	2641	2644	2737
35°	2583	2588	2701
40°	2523	2520	2657
45°	2445	2452	2599
50°	2380	2364	2518
55°	2308	2278	2428
60°	2237	2170	2308
65°	2134	2032	2146
70°	2010	1884	1998
75°	1867	1723	1824
80°	1673	1561	1676
85°	1581	1482	1603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	3.3
10°-20°	578.4	9.3
20°-30°	872.8	14.1
30°-40°	1047.7	16.9
40°-50°	1084.2	17.5
50°-60°	982.2	15.9
60°-70°	756.8	12.2
70°-80°	468.3	7.6
80°-90°	194.5	3.1
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°	1653.1	26.7
0°-40°	2700.7	43.7
0°-60°	4767.2	77.1
0°-90°	6186.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2133	2133	2133	2133	2133	
5°	2120	2120	2123	2123	2127	201
15°	2033	2036	2049	2062	2072	573
25°	1856	1863	1892	1924	1940	855
35°	1618	1631	1673	1718	1740	1012
45°	1338	1358	1403	1454	1480	1035
55°	1042	1058	1094	1142	1158	933
65°	730	737	759	791	795	722
75°	415	425	441	460	460	440
85°	151	167	193	206	203	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2133.0	2133.0	2133.0	2133.0	2133.0
2.5°	2129.8	2129.8	2129.8	2129.8	2133.0
5°	2120.2	2120.2	2123.4	2123.4	2126.6
7.5°	2107.3	2107.3	2113.7	2113.7	2120.2
10°	2088.0	2091.2	2097.7	2100.9	2107.3
12.5°	2065.5	2065.5	2075.1	2084.8	2091.2
15°	2033.3	2036.5	2049.4	2062.3	2071.9
17.5°	1997.9	2001.1	2020.4	2033.3	2046.2
20°	1956.1	1959.3	1981.8	2001.1	2017.2
22.5°	1907.8	1914.3	1940.0	1965.8	1978.6
25°	1856.4	1862.8	1891.8	1923.9	1940.0
27.5°	1801.7	1811.3	1840.3	1875.7	1895.0
30°	1740.5	1753.4	1788.8	1827.4	1846.7
32.5°	1679.4	1692.3	1730.9	1775.9	1795.2
35°	1618.3	1631.2	1673.0	1718.0	1740.5
37.5°	1550.7	1563.6	1608.6	1656.9	1682.6
40°	1486.4	1499.2	1541.1	1595.8	1618.3
42.5°	1415.6	1428.5	1473.5	1525.0	1550.7
45°	1338.4	1357.7	1402.7	1454.2	1479.9
47.5°	1267.6	1283.7	1325.5	1380.2	1405.9
50°	1193.6	1209.7	1248.3	1303.0	1322.3
52.5°	1119.6	1135.7	1174.3	1225.8	1245.1
55°	1042.4	1058.5	1093.9	1142.1	1158.2
57.5°	968.4	981.3	1013.4	1058.5	1071.4
60°	891.2	904.1	929.8	971.6	981.3
62.5°	807.5	817.2	846.1	884.7	897.6
65°	730.3	736.8	759.3	791.4	794.7
67.5°	649.9	656.3	678.8	701.4	711.0
70°	569.5	579.1	595.2	617.7	624.2
72.5°	492.2	501.9	518.0	537.3	540.5
75°	415.0	424.7	440.8	460.1	460.1
77.5°	341.0	350.7	370.0	386.1	386.1
80°	267.0	283.1	302.4	318.5	318.5
82.5°	205.9	218.8	244.5	257.4	257.4
85°	151.2	167.3	193.0	205.9	202.7
87.5°	109.4	125.5	148.0	157.6	154.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)