

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: P385091

Luminaire Tested: **14ID-55-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385091
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-55-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

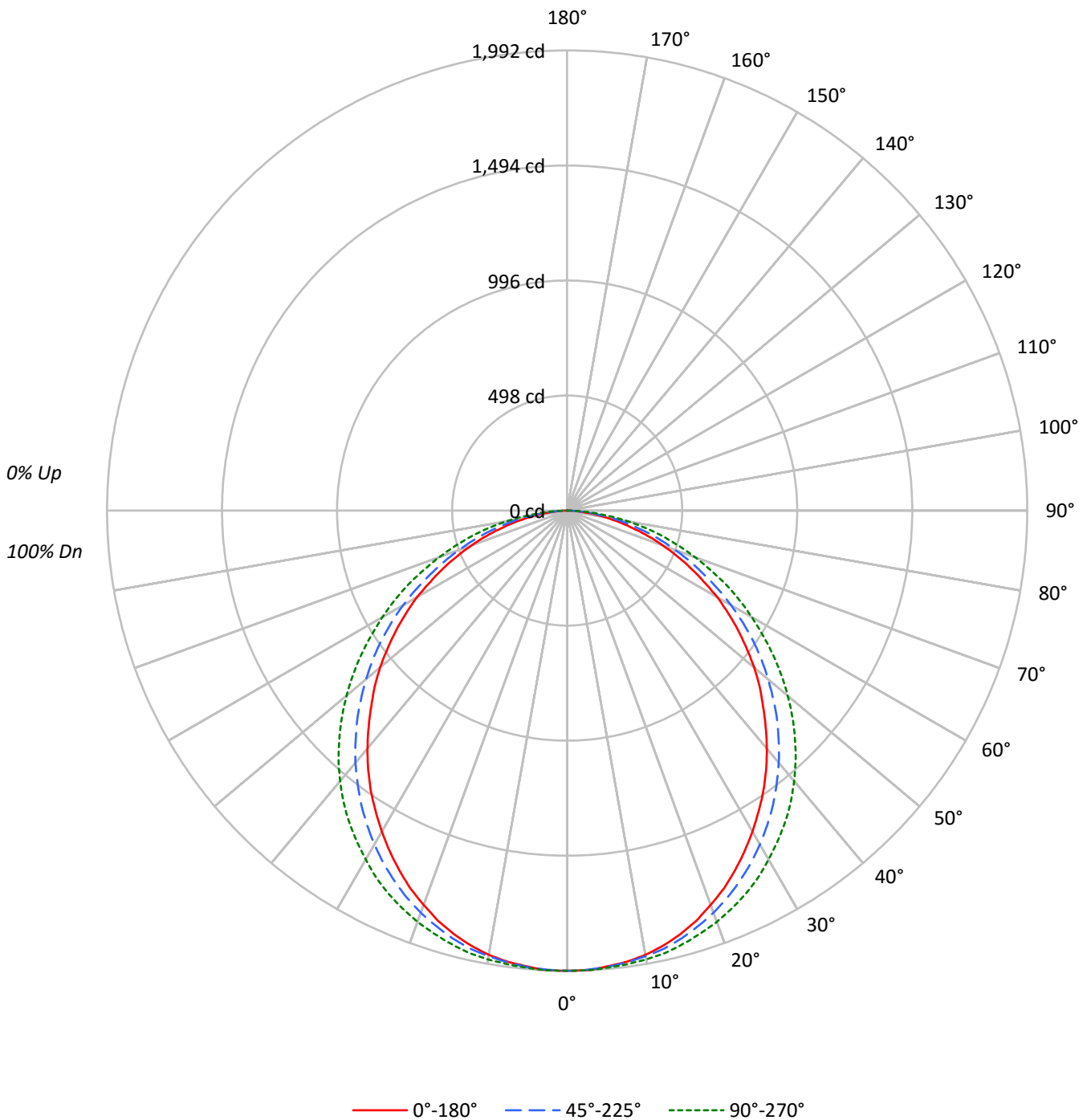
Lumens per Lamp: N/A
Luminaire Lumens: 5531.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.2
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°	5361	5361	5361
5°	5351	5358	5366
10°	5337	5352	5390
15°	5285	5340	5410
20°	5201	5305	5425
25°	5103	5252	5434
30°	4985	5184	5418
35°	4867	5105	5408
40°	4724	5008	5371
45°	4566	4895	5309
50°	4427	4754	5221
55°	4241	4608	5105
60°	4039	4415	4970
65°	3766	4157	4832
70°	3468	3907	4632
75°	3074	3627	4439
80°	2594	3243	4108
85°	1896	2498	3273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	3.4
10°-20°	541.0	9.8
20°-30°	815.9	14.8
30°-40°	974.1	17.6
40°-50°	995.5	18.0
50°-60°	882.8	16.0
60°-70°	658.1	11.9
70°-80°	375.9	6.8
80°-90°	99.2	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°	1545.5	27.9
0°-40°	2519.5	45.6
0°-60°	4397.8	79.5
0°-90°	5531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1981	1981	1984	1984	1986	188
15°	1897	1903	1917	1934	1942	535
25°	1719	1733	1769	1808	1830	791
35°	1482	1501	1554	1615	1646	926
45°	1200	1225	1286	1356	1395	927
55°	904	921	982	1052	1088	808
65°	592	605	653	720	759	586
75°	296	310	349	402	427	315
85°	61	64	81	100	106	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1992.1	1992.1	1992.1	1992.1	1992.1
2.5°	1992.1	1989.3	1989.3	1989.3	1992.1
5°	1980.9	1980.9	1983.7	1983.7	1986.5
7.5°	1969.8	1969.8	1972.5	1975.3	1980.9
10°	1953.0	1953.0	1958.6	1967.0	1972.5
12.5°	1927.9	1930.7	1941.9	1953.0	1961.4
15°	1897.2	1902.8	1916.7	1933.5	1941.9
17.5°	1860.9	1866.5	1886.1	1908.4	1919.5
20°	1816.3	1827.5	1852.6	1880.5	1894.4
22.5°	1771.7	1782.8	1813.5	1847.0	1863.7
25°	1718.7	1732.6	1768.9	1807.9	1830.3
27.5°	1662.9	1679.6	1721.4	1766.1	1791.2
30°	1604.3	1623.8	1668.4	1718.7	1743.8
32.5°	1542.9	1562.4	1612.6	1668.4	1696.3
35°	1481.5	1501.0	1554.0	1615.4	1646.1
37.5°	1414.5	1434.1	1489.9	1556.8	1590.3
40°	1344.8	1367.1	1425.7	1492.7	1528.9
42.5°	1272.2	1297.4	1355.9	1428.5	1464.8
45°	1199.7	1224.8	1286.2	1355.9	1395.0
47.5°	1130.0	1149.5	1210.9	1283.4	1322.5
50°	1057.4	1074.2	1135.5	1208.1	1247.1
52.5°	979.3	1001.6	1060.2	1132.7	1169.0
55°	904.0	920.7	982.1	1051.8	1088.1
57.5°	825.8	842.6	901.2	970.9	1004.4
60°	750.5	767.3	820.3	890.0	923.5
62.5°	666.8	683.6	736.6	809.1	842.6
65°	591.5	605.4	652.9	719.8	758.9
67.5°	516.2	530.1	574.7	638.9	669.6
70°	440.8	452.0	496.6	555.2	588.7
72.5°	368.3	379.4	424.1	477.1	505.0
75°	295.7	309.7	348.8	401.8	426.9
77.5°	228.8	242.7	276.2	323.6	346.0
80°	167.4	178.6	209.3	245.5	265.1
82.5°	111.6	120.0	142.3	173.0	186.9
85°	61.4	64.2	80.9	100.4	106.0
87.5°	25.1	25.1	30.7	33.5	36.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)