

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: P385315

Luminaire Tested: **22ID-55-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385315
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: 22ID-55-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

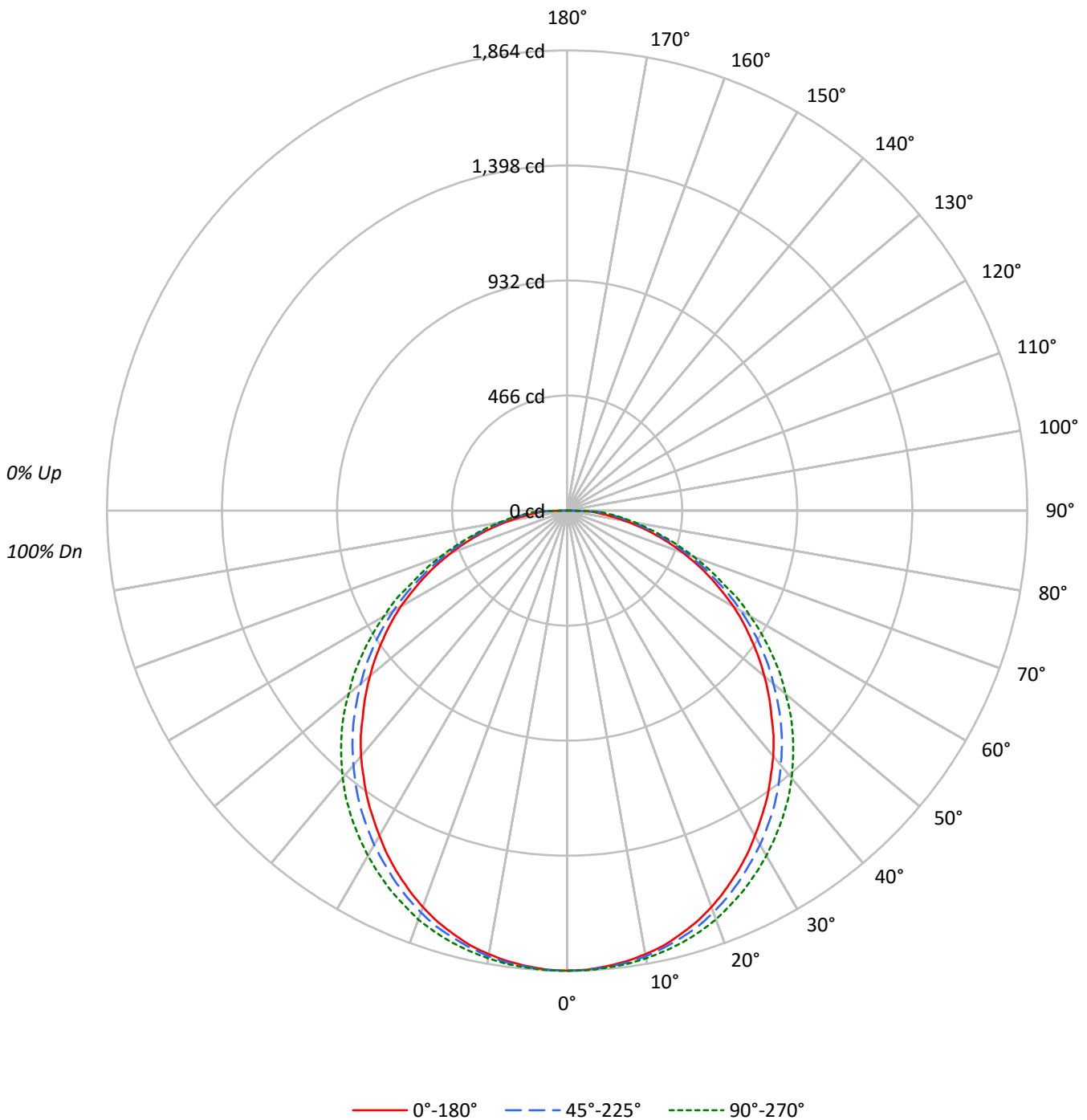
Lumens per Lamp: N/A
Luminaire Lumens: 5406.4 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 45.9
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5016	5016	5016
5°	4969	4961	4984
10°	4914	4907	4959
15°	4842	4837	4934
20°	4751	4756	4899
25°	4636	4653	4845
30°	4509	4548	4784
35°	4390	4437	4721
40°	4265	4305	4643
45°	4109	4173	4543
50°	3972	4005	4400
55°	3819	3839	4243
60°	3663	3632	4033
65°	3448	3372	3751
70°	3186	3091	3492
75°	2876	2782	3188
80°	2456	2455	2929
85°	2089	2219	2801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.4	3.3
10°-20°	505.4	9.3
20°-30°	762.8	14.1
30°-40°	915.5	16.9
40°-50°	947.5	17.5
50°-60°	858.4	15.9
60°-70°	661.3	12.2
70°-80°	409.2	7.6
80°-90°	170.0	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°	1444.6	26.7
0°-40°	2360.1	43.7
0°-60°	4165.9	77.1
0°-90°	5406.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5406.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1864	1864	1864	1864	1864	
5°	1853	1853	1856	1856	1858	176
15°	1777	1780	1791	1802	1811	501
25°	1622	1628	1653	1681	1695	747
35°	1414	1425	1462	1501	1521	884
45°	1170	1186	1226	1271	1293	904
55°	911	925	956	998	1012	816
65°	638	644	664	692	694	631
75°	363	371	385	402	402	384
85°	132	146	169	180	177	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1864.0	1864.0	1864.0	1864.0	1864.0
2.5°	1861.2	1861.2	1861.2	1861.2	1864.0
5°	1852.8	1852.8	1855.6	1855.6	1858.4
7.5°	1841.5	1841.5	1847.1	1847.1	1852.8
10°	1824.7	1827.5	1833.1	1835.9	1841.5
12.5°	1805.0	1805.0	1813.4	1821.8	1827.5
15°	1776.9	1779.7	1790.9	1802.2	1810.6
17.5°	1745.9	1748.7	1765.6	1776.9	1788.1
20°	1709.4	1712.2	1731.9	1748.7	1762.8
22.5°	1667.2	1672.8	1695.3	1717.8	1729.1
25°	1622.2	1627.9	1653.2	1681.3	1695.3
27.5°	1574.4	1582.9	1608.2	1639.1	1656.0
30°	1521.0	1532.3	1563.2	1596.9	1613.8
32.5°	1467.6	1478.8	1512.6	1551.9	1568.8
35°	1414.2	1425.4	1462.0	1501.3	1521.0
37.5°	1355.1	1366.4	1405.7	1447.9	1470.4
40°	1298.9	1310.2	1346.7	1394.5	1414.2
42.5°	1237.1	1248.3	1287.7	1332.6	1355.1
45°	1169.6	1186.4	1225.8	1270.8	1293.3
47.5°	1107.7	1121.8	1158.3	1206.1	1228.6
50°	1043.1	1057.1	1090.9	1138.7	1155.5
52.5°	978.4	992.5	1026.2	1071.2	1088.0
55°	910.9	925.0	955.9	998.1	1012.1
57.5°	846.3	857.5	885.6	925.0	936.2
60°	778.8	790.0	812.5	849.1	857.5
62.5°	705.7	714.1	739.4	773.2	784.4
65°	638.2	643.8	663.5	691.6	694.4
67.5°	567.9	573.5	593.2	612.9	621.3
70°	497.6	506.1	520.1	539.8	545.4
72.5°	430.2	438.6	452.6	469.5	472.3
75°	362.7	371.1	385.2	402.0	402.0
77.5°	298.0	306.5	323.3	337.4	337.4
80°	233.4	247.4	264.3	278.3	278.3
82.5°	179.9	191.2	213.7	224.9	224.9
85°	132.1	146.2	168.7	179.9	177.1
87.5°	95.6	109.6	129.3	137.8	135.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)