

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: P385370

Luminaire Tested: **24ID-60-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385370
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-L830-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

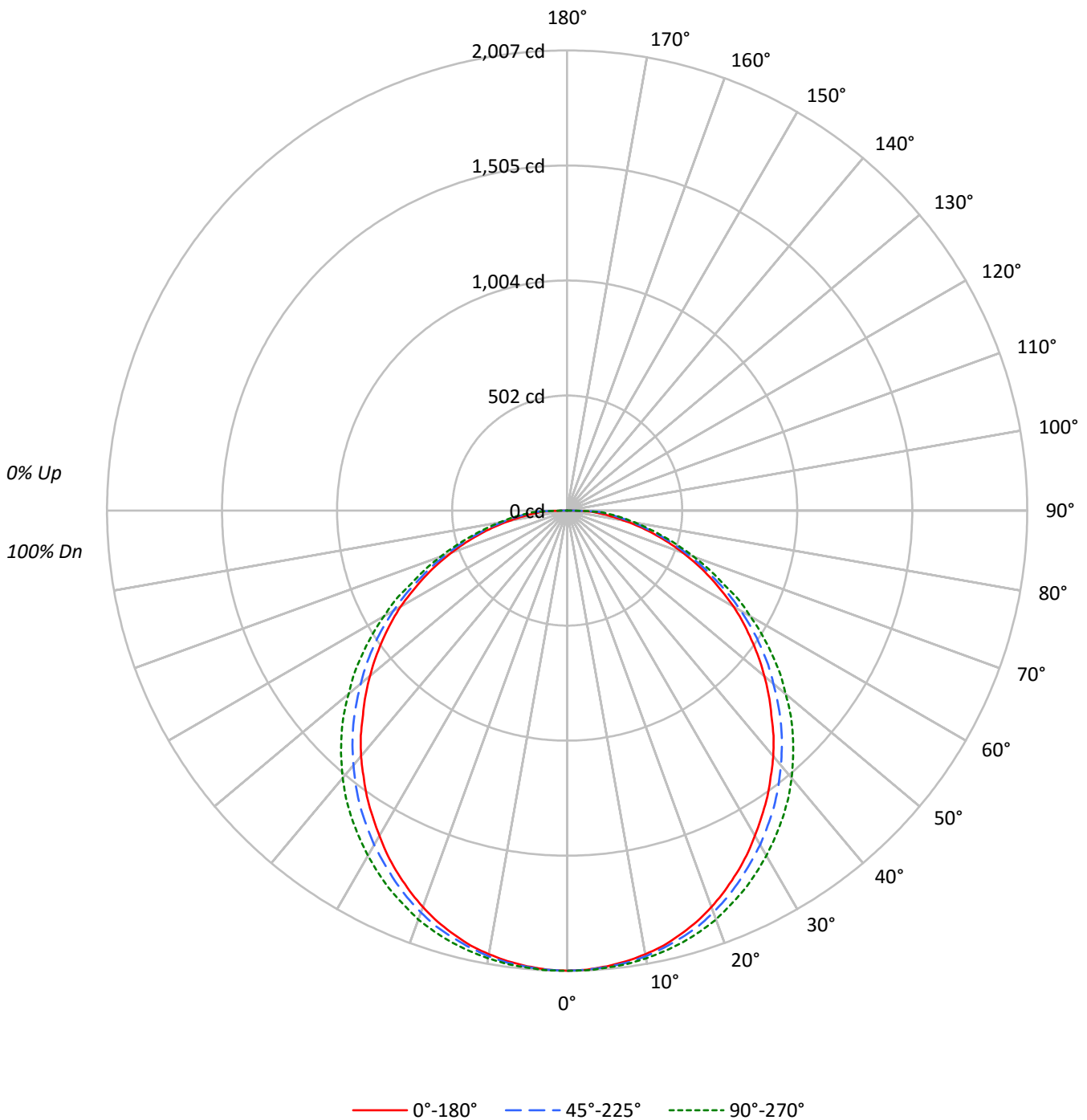
Lumens per Lamp: N/A
Luminaire Lumens: 5821.4 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.5
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	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°	2701	2701	2701
5°	2685	2678	2683
10°	2665	2655	2670
15°	2636	2624	2656
20°	2596	2587	2638
25°	2544	2538	2609
30°	2485	2488	2576
35°	2430	2435	2542
40°	2374	2371	2500
45°	2301	2308	2446
50°	2240	2224	2369
55°	2172	2144	2285
60°	2105	2042	2171
65°	2008	1912	2020
70°	1891	1773	1880
75°	1757	1621	1717
80°	1575	1469	1577
85°	1488	1395	1508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	3.3
10°-20°	544.2	9.3
20°-30°	821.3	14.1
30°-40°	985.8	16.9
40°-50°	1020.2	17.5
50°-60°	924.2	15.9
60°-70°	712.1	12.2
70°-80°	440.6	7.6
80°-90°	183.0	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°	1555.4	26.7
0°-40°	2541.3	43.7
0°-60°	4485.7	77.1
0°-90°	5821.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5821.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2007	2007	2007	2007	2007	
5°	1995	1995	1998	1998	2001	190
15°	1913	1916	1928	1940	1950	540
25°	1747	1753	1780	1810	1826	805
35°	1523	1535	1574	1617	1638	952
45°	1259	1278	1320	1368	1393	974
55°	981	996	1029	1075	1090	878
65°	687	693	714	745	748	679
75°	390	400	415	433	433	414
85°	142	157	182	194	191	154
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2007.1	2007.1	2007.1	2007.1	2007.1
2.5°	2004.1	2004.1	2004.1	2004.1	2007.1
5°	1995.0	1995.0	1998.0	1998.0	2001.0
7.5°	1982.9	1982.9	1988.9	1988.9	1995.0
10°	1964.7	1967.7	1973.8	1976.8	1982.9
12.5°	1943.5	1943.5	1952.6	1961.7	1967.7
15°	1913.3	1916.3	1928.4	1940.5	1949.6
17.5°	1880.0	1883.0	1901.1	1913.3	1925.4
20°	1840.6	1843.6	1864.8	1883.0	1898.1
22.5°	1795.2	1801.2	1825.5	1849.7	1861.8
25°	1746.8	1752.8	1780.1	1810.3	1825.5
27.5°	1695.3	1704.4	1731.6	1764.9	1783.1
30°	1637.8	1649.9	1683.2	1719.5	1737.7
32.5°	1580.3	1592.4	1628.7	1671.1	1689.2
35°	1522.7	1534.8	1574.2	1616.6	1637.8
37.5°	1459.2	1471.3	1513.7	1559.1	1583.3
40°	1398.6	1410.7	1450.1	1501.5	1522.7
42.5°	1332.0	1344.1	1386.5	1434.9	1459.2
45°	1259.4	1277.5	1319.9	1368.3	1392.6
47.5°	1192.8	1207.9	1247.2	1298.7	1322.9
50°	1123.1	1138.3	1174.6	1226.1	1244.2
52.5°	1053.5	1068.6	1105.0	1153.4	1171.6
55°	980.8	996.0	1029.3	1074.7	1089.8
57.5°	911.2	923.3	953.6	996.0	1008.1
60°	838.6	850.7	874.9	914.2	923.3
62.5°	759.9	768.9	796.2	832.5	844.6
65°	687.2	693.3	714.4	744.7	747.7
67.5°	611.5	617.6	638.8	660.0	669.0
70°	535.8	544.9	560.1	581.2	587.3
72.5°	463.2	472.3	487.4	505.6	508.6
75°	390.5	399.6	414.7	432.9	432.9
77.5°	320.9	330.0	348.1	363.3	363.3
80°	251.3	266.4	284.6	299.7	299.7
82.5°	193.7	205.9	230.1	242.2	242.2
85°	142.3	157.4	181.6	193.7	190.7
87.5°	102.9	118.1	139.3	148.3	145.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)