

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: P297439

Luminaire Tested: **D3X-WO-60L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-60L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4687.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

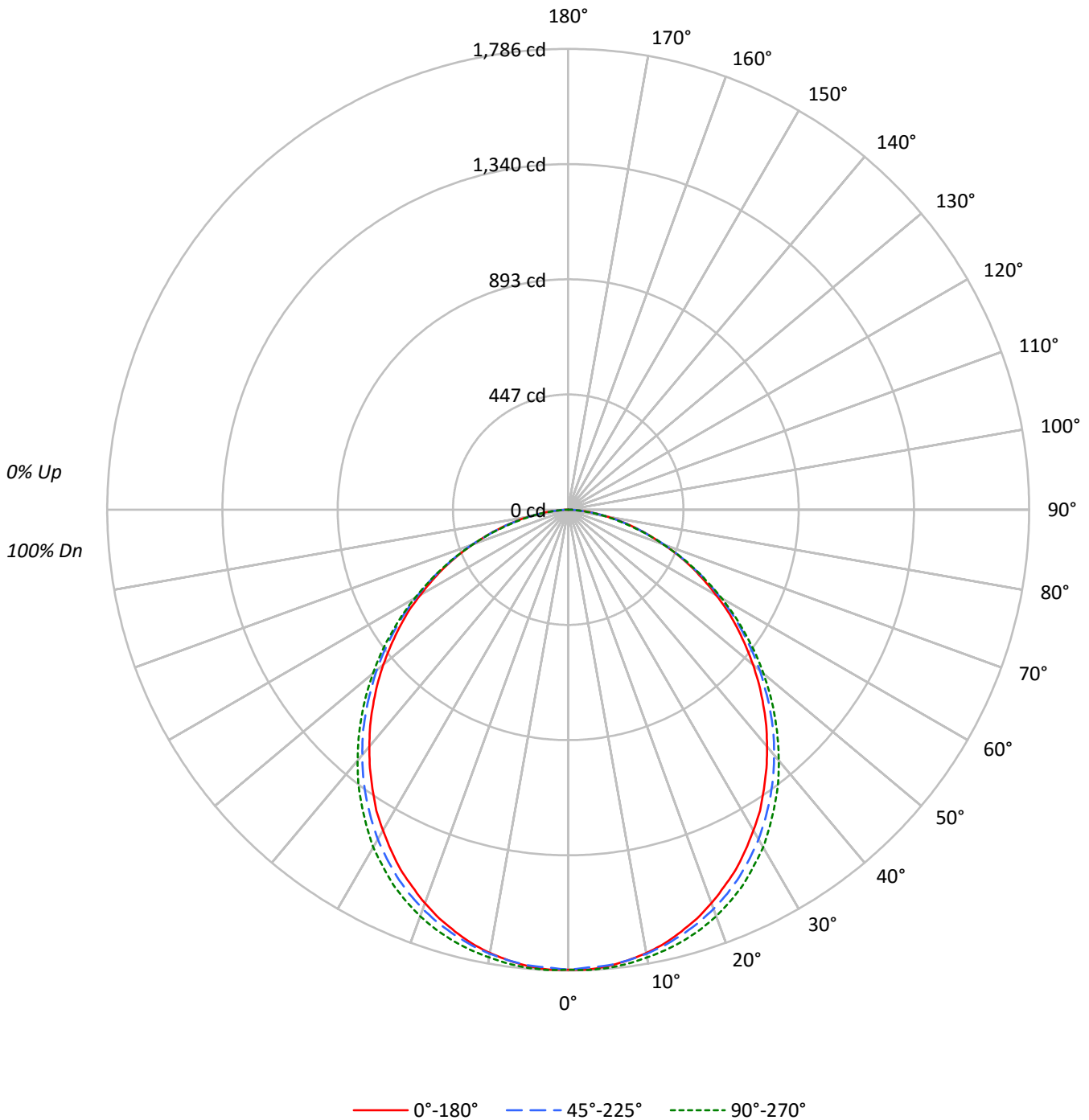
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2398	2398	2398
5°	2399	2395	2408
10°	2384	2388	2407
15°	2358	2375	2408
20°	2324	2358	2401
25°	2283	2330	2381
30°	2230	2291	2348
35°	2171	2241	2292
40°	2105	2180	2230
45°	2034	2109	2154
50°	1957	2029	2066
55°	1874	1933	1963
60°	1780	1827	1848
65°	1679	1704	1714
70°	1541	1559	1541
75°	1387	1379	1338
80°	1175	1162	1126
85°	877	854	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	3.6
10°-20°	482.1	10.3
20°-30°	722.9	15.4
30°-40°	851.3	18.2
40°-50°	851.4	18.2
50°-60°	734.6	15.7
60°-70°	528.6	11.3
70°-80°	280.4	6.0
80°-90°	66.9	1.4
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
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0°-30°	1373.8	29.3
0°-40°	2225.1	47.5
0°-60°	3811.1	81.3
0°-90°	4687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1776	1775	1773	1779	1783	168
15°	1693	1697	1705	1723	1729	477
25°	1538	1547	1569	1596	1604	707
35°	1322	1337	1364	1388	1396	827
45°	1069	1083	1108	1127	1132	825
55°	799	807	824	838	837	715
65°	527	529	535	538	538	522
75°	267	264	265	259	257	284
85°	57	57	55	50	49	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1782.6	1782.6	1782.6	1782.6	1782.6
2.5°	1784.1	1781.0	1776.2	1782.6	1785.7
5°	1776.2	1774.7	1773.1	1779.4	1782.6
7.5°	1762.0	1763.6	1762.0	1771.5	1774.7
10°	1744.7	1746.2	1747.8	1758.9	1762.0
12.5°	1722.6	1724.1	1728.9	1743.1	1747.8
15°	1692.6	1697.3	1705.2	1722.6	1728.9
17.5°	1661.0	1667.3	1678.3	1698.9	1705.2
20°	1623.1	1631.0	1646.8	1668.9	1676.8
22.5°	1580.5	1588.4	1610.5	1634.1	1642.0
25°	1537.8	1547.3	1569.4	1596.2	1604.1
27.5°	1487.3	1499.9	1523.6	1550.5	1556.8
30°	1435.2	1446.3	1474.7	1499.9	1511.0
32.5°	1383.1	1394.1	1421.0	1446.3	1454.1
35°	1321.5	1337.3	1364.2	1387.8	1395.7
37.5°	1261.5	1275.7	1304.2	1327.8	1335.7
40°	1198.4	1211.0	1241.0	1263.1	1269.4
42.5°	1135.2	1147.8	1177.8	1195.2	1201.5
45°	1068.9	1083.1	1108.4	1127.3	1132.1
47.5°	1002.6	1013.6	1037.3	1054.7	1061.0
50°	934.7	945.7	969.4	983.6	986.8
52.5°	866.8	874.7	896.8	909.4	914.2
55°	798.9	806.8	824.2	838.4	836.8
57.5°	734.2	737.3	754.7	764.2	764.2
60°	661.5	664.7	678.9	685.2	686.8
62.5°	593.7	598.4	609.4	611.0	611.0
65°	527.3	528.9	535.2	538.4	538.4
67.5°	461.0	459.5	465.8	465.8	464.2
70°	391.6	394.7	396.3	393.1	391.6
72.5°	328.4	326.8	326.8	325.2	325.2
75°	266.8	263.7	265.3	258.9	257.4
77.5°	210.0	205.3	203.7	200.5	197.4
80°	151.6	151.6	150.0	146.8	145.3
82.5°	101.0	101.0	99.5	96.3	93.2
85°	56.8	56.8	55.3	50.5	48.9
87.5°	18.9	18.9	18.9	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)