

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: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)

Luminaire Tested: **E3X-WL-5L35-LD5-UNV-24**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: E3X-WL-5L35-LD5-UNV-24
Description: CORELITE CLASS E LED 2X4 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

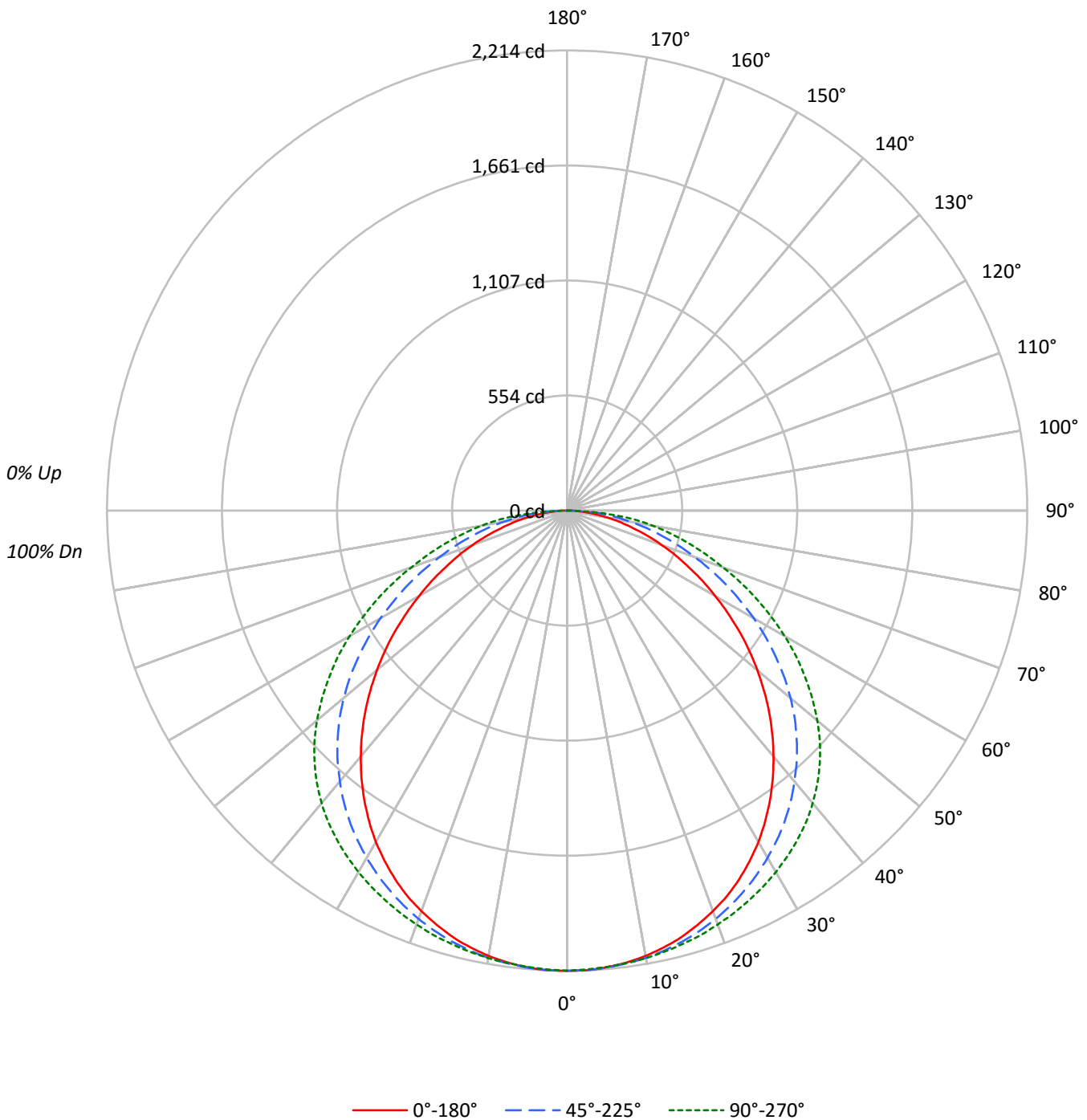
Lumens per Lamp: N/A
Luminaire Lumens: 6656.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.77' x L: 3.79' x H: 0')
CIE Type: Direct

Input Watts (W): 58.6
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



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
CATALOG NUMBER: E3X-WL-5L35-LD5-UNV-24

Luminous Intensity Polar Plot





TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-5L35-LD5-UNV-24

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	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	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83				
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57				
4	82	70	61	54	79	68	60	53	66	58	53	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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32				
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29				
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26				
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3565	3565	3565
5°	3565	3567	3561
10°	3557	3573	3575
15°	3542	3578	3597
20°	3513	3581	3630
25°	3478	3585	3677
30°	3422	3586	3733
35°	3344	3588	3798
40°	3246	3576	3864
45°	3131	3558	3915
50°	2991	3513	3936
55°	2836	3438	3924
60°	2652	3339	3892
65°	2462	3215	3830
70°	2278	3078	3752
75°	2053	2959	3745
80°	1853	2890	3874
85°	1622	3002	3848



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-5L35-LD5-UNV-24

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	3.2
10°-20°	605.1	9.1
20°-30°	928.7	14.0
30°-40°	1138.0	17.1
40°-50°	1197.5	18.0
50°-60°	1084.4	16.3
60°-70°	827.1	12.4
70°-80°	500.3	7.5
80°-90°	165.1	2.5
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°	1743.5	26.2
0°-40°	2881.6	43.3
0°-60°	5163.6	77.6
0°-90°	6656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2206	2200	2207	2208	2203	210
15°	2125	2125	2147	2159	2158	599
25°	1958	1966	2018	2060	2070	901
35°	1701	1730	1825	1906	1932	1063
45°	1375	1424	1563	1681	1719	1060
55°	1010	1072	1225	1354	1398	902
65°	646	708	844	962	1005	643
75°	330	374	476	568	602	354
85°	88	107	162	198	208	100
90°	0	0	0	0	0	



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-5L35-LD5-UNV-24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.1	2214.1	2214.1	2214.1	2214.1
2.5°	2214.1	2207.0	2213.1	2214.1	2209.4
5°	2205.6	2199.7	2207.0	2208.2	2203.3
7.5°	2193.8	2188.9	2197.3	2199.7	2196.2
10°	2175.7	2173.4	2185.3	2190.1	2186.4
12.5°	2152.7	2150.4	2167.1	2175.7	2173.4
15°	2124.9	2124.9	2146.7	2158.9	2157.7
17.5°	2088.9	2091.4	2120.4	2138.2	2140.7
20°	2050.6	2055.3	2090.3	2114.3	2118.9
22.5°	2008.2	2013.2	2056.3	2088.9	2096.1
25°	1957.7	1966.2	2017.9	2059.8	2069.6
27.5°	1901.1	1914.4	1975.7	2026.2	2040.9
30°	1840.9	1858.9	1928.8	1990.3	2008.2
32.5°	1773.5	1795.2	1879.4	1949.1	1972.1
35°	1701.2	1730.3	1825.3	1906.0	1932.4
37.5°	1625.4	1658.3	1766.2	1857.7	1889.0
40°	1544.6	1585.5	1701.2	1804.6	1838.3
42.5°	1461.7	1507.4	1635.3	1746.0	1781.8
45°	1375.3	1424.5	1562.7	1680.9	1719.3
47.5°	1285.8	1342.5	1485.6	1609.8	1649.4
50°	1194.3	1253.2	1402.7	1530.4	1571.4
52.5°	1102.9	1164.4	1317.1	1444.8	1486.9
55°	1010.2	1071.6	1224.7	1354.4	1397.9
57.5°	915.0	980.1	1131.9	1260.7	1307.4
60°	823.5	888.7	1036.9	1160.8	1208.8
62.5°	734.5	799.5	938.9	1063.1	1107.4
65°	646.3	708.1	843.9	962.1	1005.4
67.5°	565.9	620.1	747.7	860.9	903.1
70°	483.9	534.5	653.8	759.5	797.1
72.5°	407.2	452.8	563.5	663.6	699.6
75°	330.1	374.4	475.7	568.1	602.0
77.5°	265.0	299.8	391.3	476.6	508.2
80°	199.8	230.1	311.7	388.8	417.8
82.5°	140.7	166.3	235.9	301.0	325.2
85°	87.8	107.2	162.5	198.5	208.3
87.5°	39.8	52.9	73.4	72.2	72.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)