

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: PORTFOLIO

Report Number: P249656

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759730 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13436.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

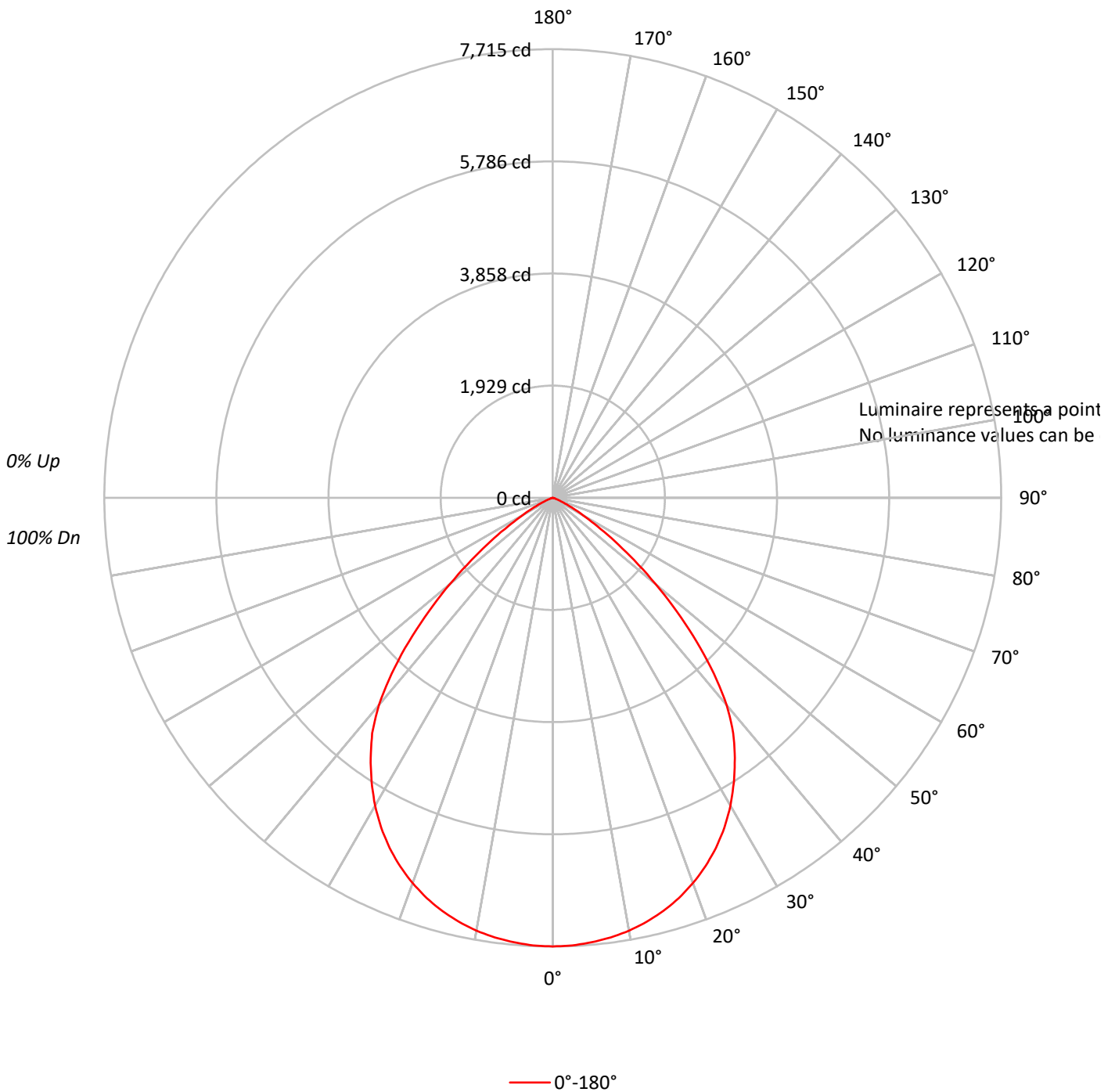
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249656

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBS0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P249656

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBS0GPH

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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P249656

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBS0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.8	5.4
10°-20°	2072.2	15.4
20°-30°	3051.5	22.7
30°-40°	3397.6	25.3
40°-50°	2683.4	20.0
50°-60°	1203.1	9.0
60°-70°	265.5	2.0
70°-80°	29.9	0.2
80°-90°	3.9	0.0
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°	5852.5	43.6
0°-40°	9250.1	68.8
0°-60°	13136.5	97.8
0°-90°	13436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7715	
5°	7673	729
15°	7354	2072
25°	6643	3052
35°	5462	3398
45°	3506	2683
55°	1299	1203
65°	233	266
75°	24	30
85°	2	4
90°	0	



TEST NUMBER: P249656

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBS0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7715.4
2.5°	7703.8
5°	7673.0
7.5°	7625.6
10°	7558.3
12.5°	7467.6
15°	7354.5
17.5°	7216.4
20°	7050.9
22.5°	6860.5
25°	6643.4
27.5°	6393.1
30°	6115.3
32.5°	5796.8
35°	5461.6
37.5°	5101.5
40°	4655.7
42.5°	4104.3
45°	3506.3
47.5°	2897.6
50°	2306.2
52.5°	1765.6
55°	1299.1
57.5°	907.4
60°	608.0
62.5°	385.1
65°	232.9
67.5°	129.7
70°	64.0
72.5°	34.9
75°	24.1
77.5°	17.5
80°	10.8
82.5°	5.8
85°	2.5
87.5°	0.8
90°	0.0

(END OF REPORT)