

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: P249655

Luminaire Tested: **LD8B150D010 ER8B1509730 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249655
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: LD8B150D010 ER8B1509730 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: 11901.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

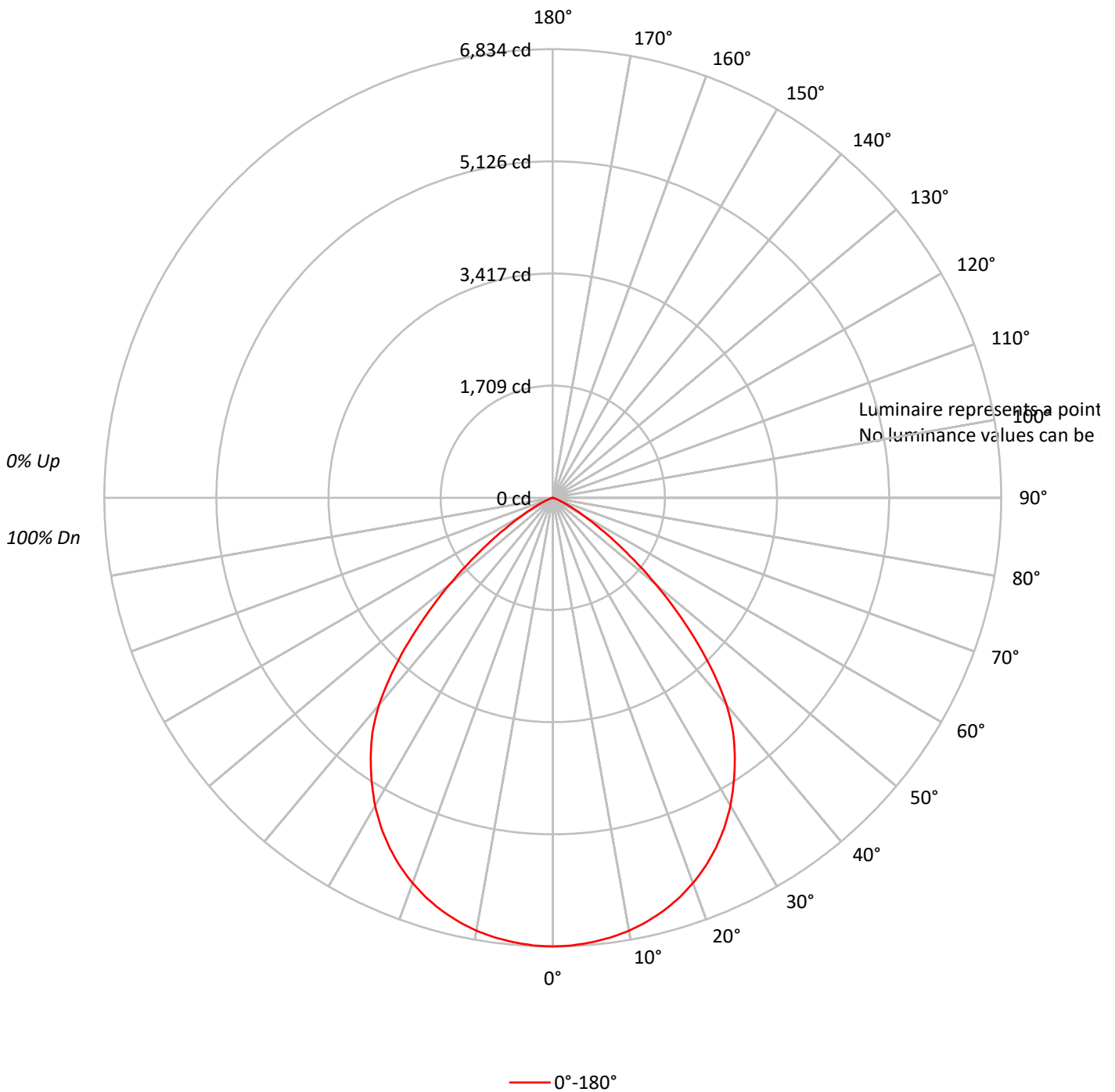
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.6	5.4
10°-20°	1835.4	15.4
20°-30°	2702.9	22.7
30°-40°	3009.4	25.3
40°-50°	2376.8	20.0
50°-60°	1065.6	9.0
60°-70°	235.2	2.0
70°-80°	26.5	0.2
80°-90°	3.5	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°	5183.9	43.6
0°-40°	8193.3	68.8
0°-60°	11635.8	97.8
0°-90°	11901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11901.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6834	
5°	6796	646
15°	6514	1835
25°	5884	2703
35°	4838	3009
45°	3106	2377
55°	1151	1066
65°	206	235
75°	21	27
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6834.0
2.5°	6823.7
5°	6796.4
7.5°	6754.4
10°	6694.8
12.5°	6614.5
15°	6514.3
17.5°	6392.0
20°	6245.4
22.5°	6076.7
25°	5884.4
27.5°	5662.7
30°	5416.7
32.5°	5134.5
35°	4837.6
37.5°	4518.7
40°	4123.8
42.5°	3635.4
45°	3105.8
47.5°	2566.5
50°	2042.8
52.5°	1563.9
55°	1150.7
57.5°	803.7
60°	538.5
62.5°	341.1
65°	206.3
67.5°	114.9
70°	56.7
72.5°	30.9
75°	21.4
77.5°	15.5
80°	9.6
82.5°	5.2
85°	2.2
87.5°	0.7
90°	0.0

(END OF REPORT)