

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: P247759

Luminaire Tested: **LSR8B90D010 EC8B909727 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B909727 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7266.1 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

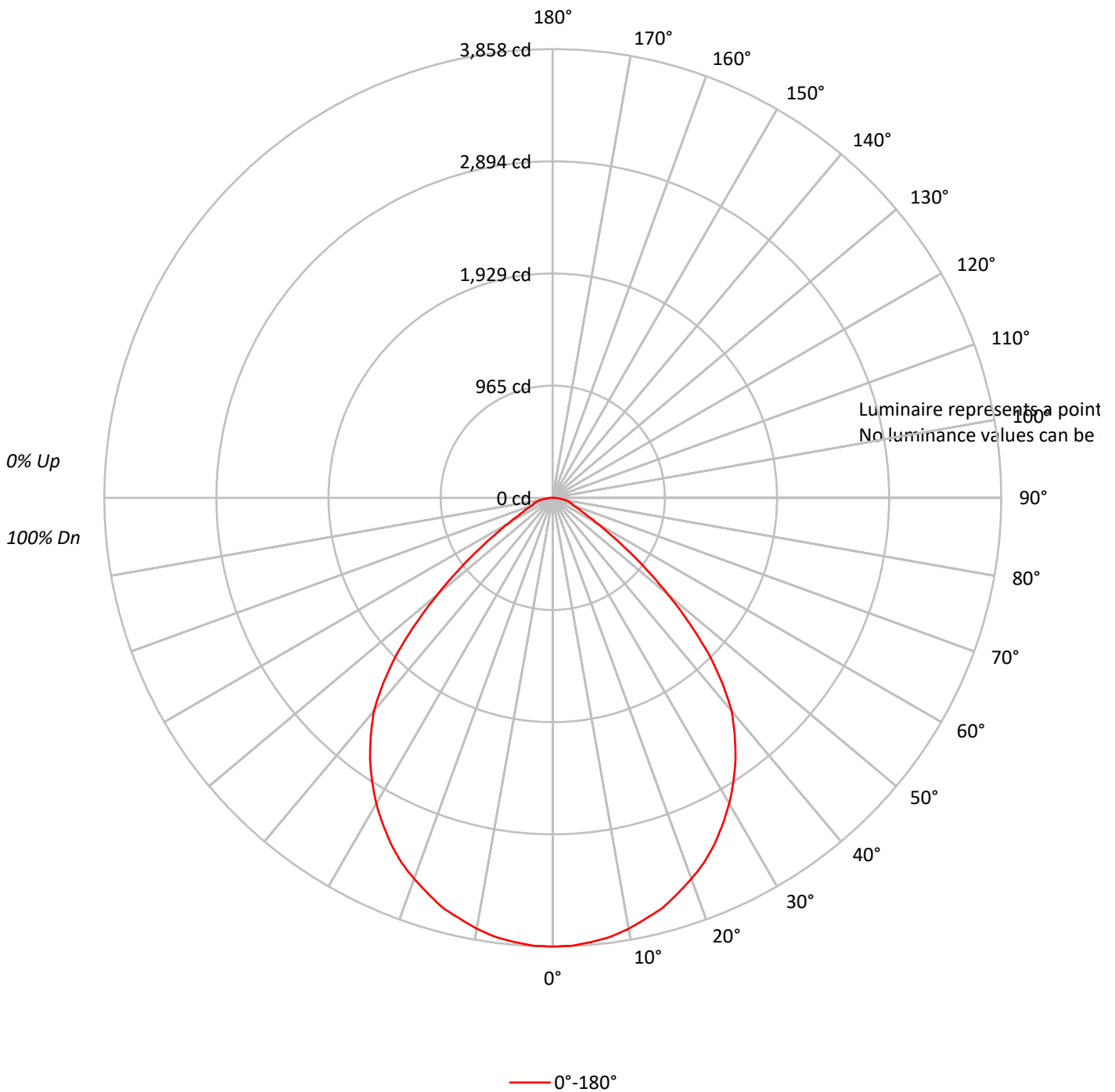
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.8	5.0
10°-20°	1027.1	14.1
20°-30°	1511.1	20.8
30°-40°	1706.8	23.5
40°-50°	1437.5	19.8
50°-60°	725.2	10.0
60°-70°	284.1	3.9
70°-80°	160.5	2.2
80°-90°	49.9	0.7
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°	2902.1	39.9
0°-40°	4608.9	63.4
0°-60°	6771.6	93.2
0°-90°	7266.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7266.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3858	
5°	3834	364
15°	3651	1027
25°	3288	1511
35°	2742	1707
45°	1893	1437
55°	783	725
65°	275	284
75°	156	160
85°	45	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3858.3
2.5°	3854.4
5°	3834.0
7.5°	3807.4
10°	3761.9
12.5°	3705.4
15°	3651.3
17.5°	3569.0
20°	3486.6
22.5°	3397.2
25°	3288.2
27.5°	3165.1
30°	3036.5
32.5°	2892.2
35°	2741.6
37.5°	2569.1
40°	2394.2
42.5°	2155.8
45°	1893.1
47.5°	1592.0
50°	1294.0
52.5°	1025.0
55°	782.6
57.5°	589.7
60°	443.9
62.5°	338.8
65°	275.3
67.5°	224.3
70°	181.9
72.5°	175.7
75°	156.1
77.5°	130.2
80°	109.8
82.5°	69.8
85°	44.7
87.5°	14.1
90°	0.0

(END OF REPORT)